

6

TYPES OF REACTIONS

CHAPTER

EXERCISE

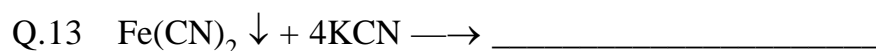
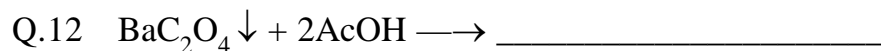
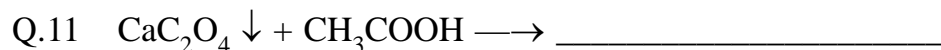
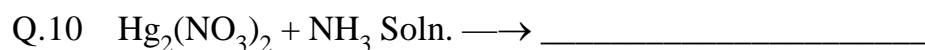
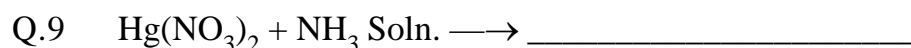
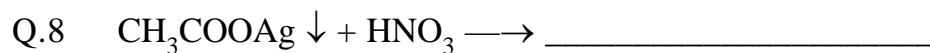
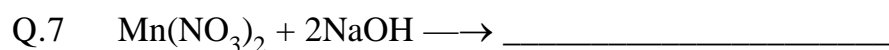
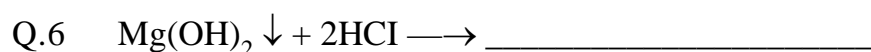
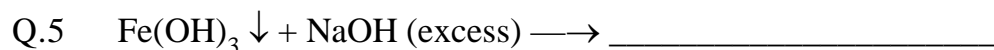
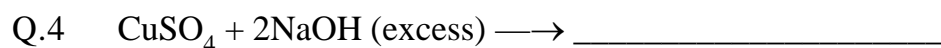
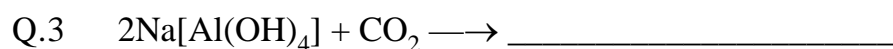
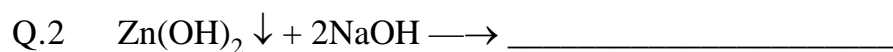
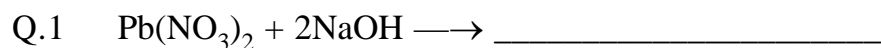
Complete the reaction and assign (A), (B), (C), (D) from given types of reactions.

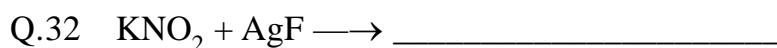
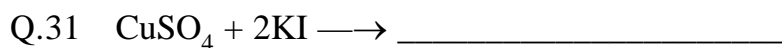
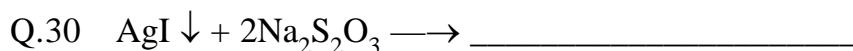
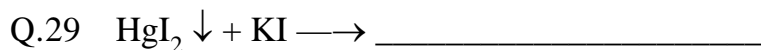
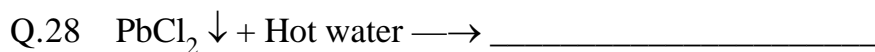
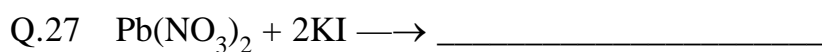
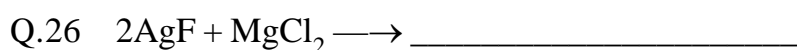
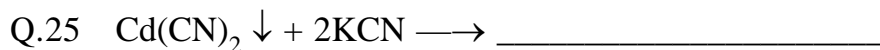
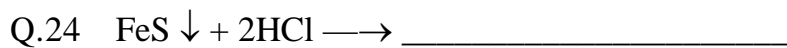
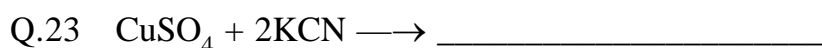
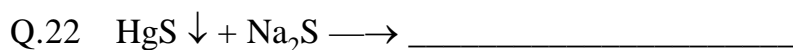
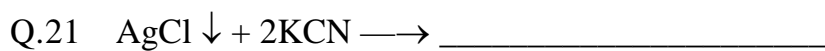
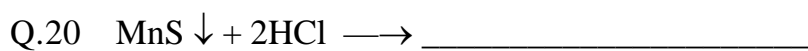
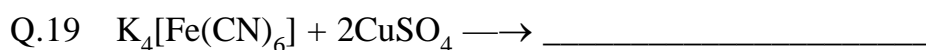
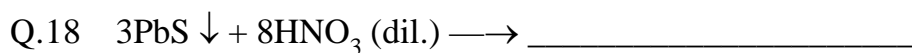
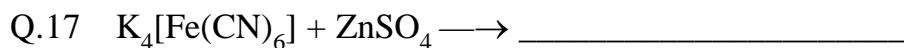
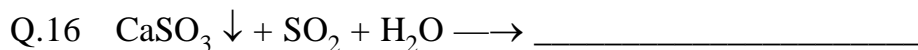
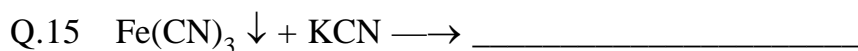
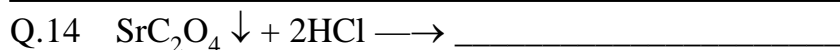
(A) precipitate formation reaction

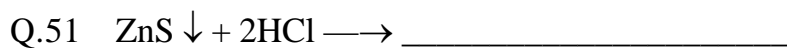
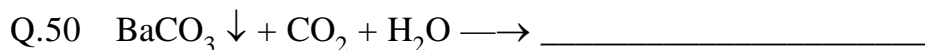
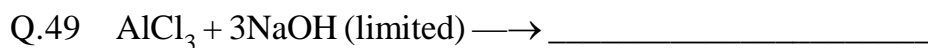
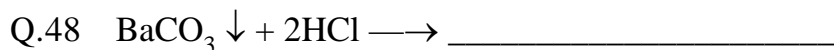
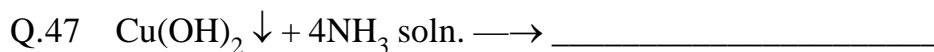
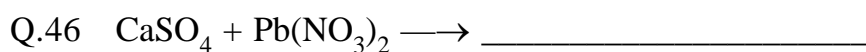
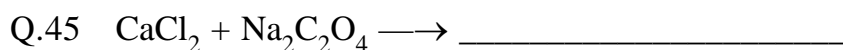
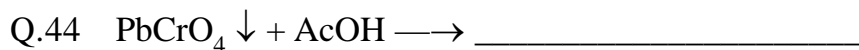
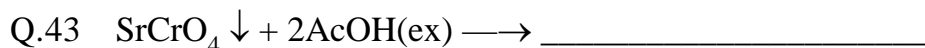
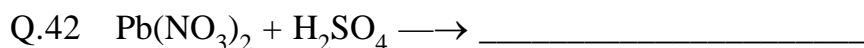
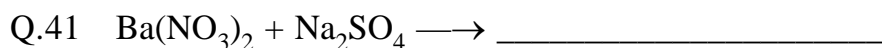
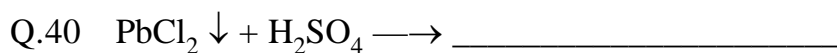
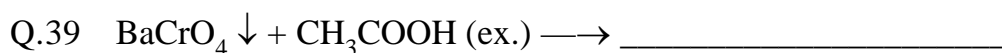
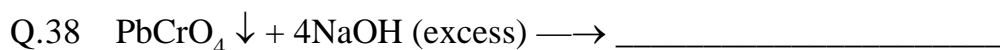
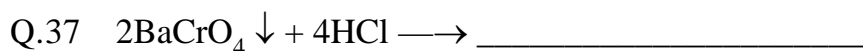
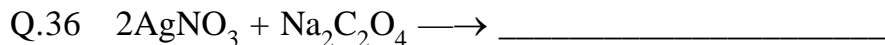
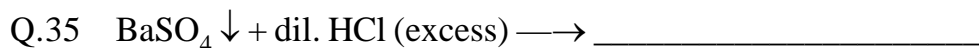
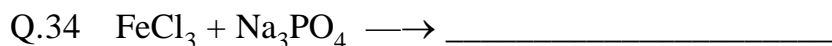
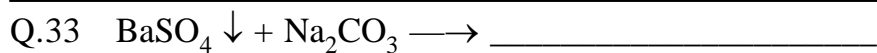
(B) precipitate dissolution reaction

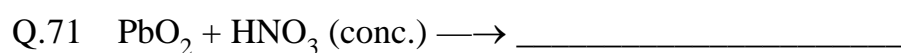
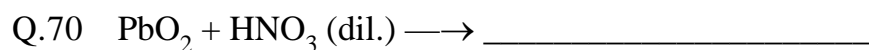
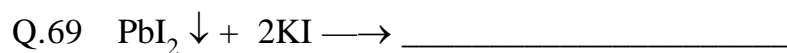
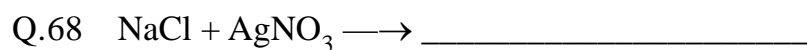
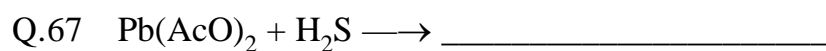
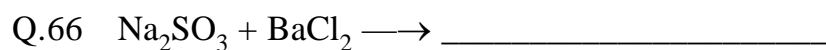
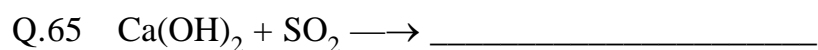
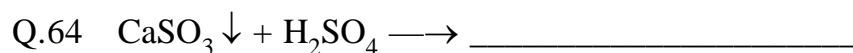
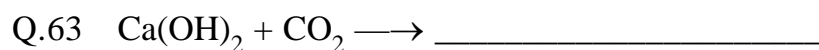
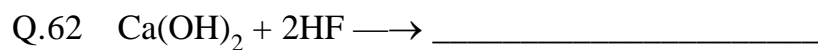
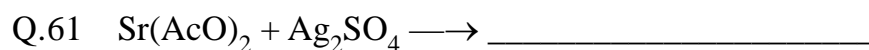
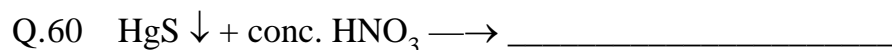
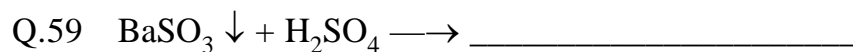
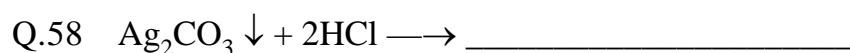
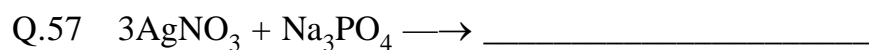
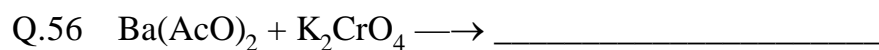
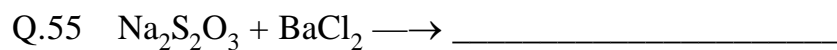
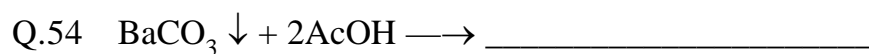
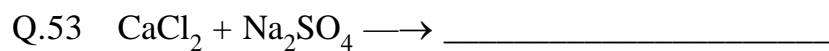
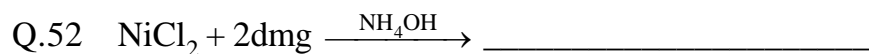
(C) precipitate exchange reaction

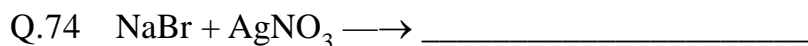
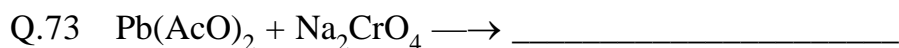
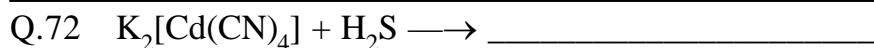
(D) no reaction











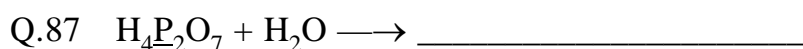
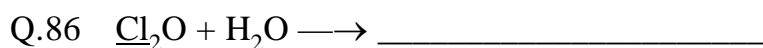
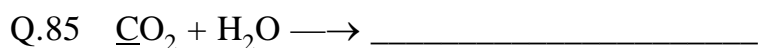
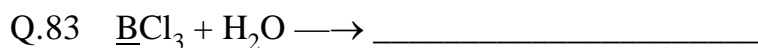
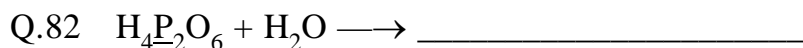
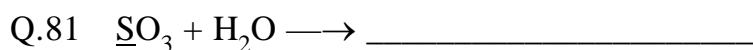
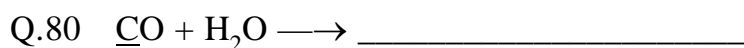
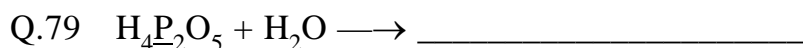
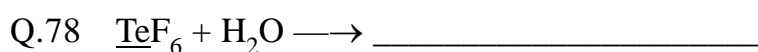
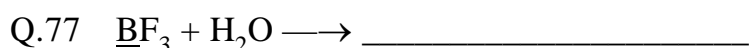
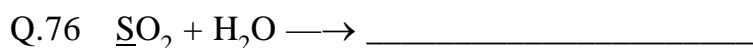
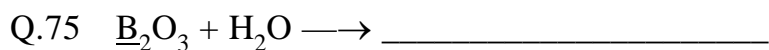
Complete the reaction and in the following reactions assign for underlined atom for product of complete hydrolysis at R.T.

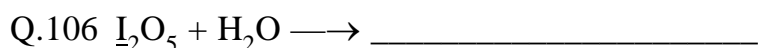
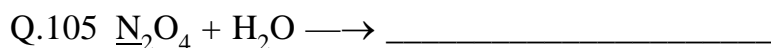
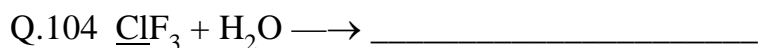
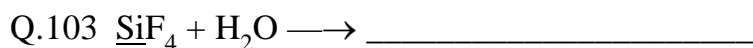
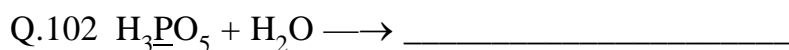
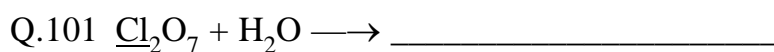
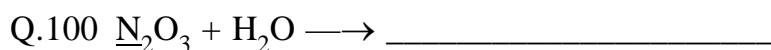
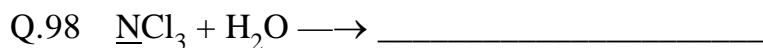
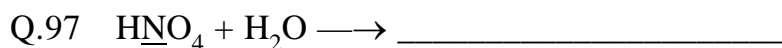
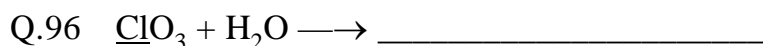
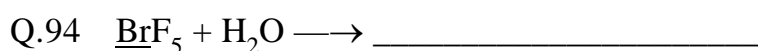
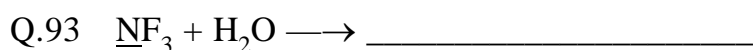
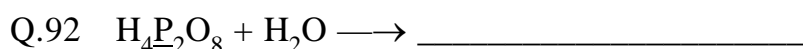
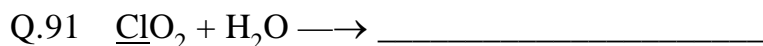
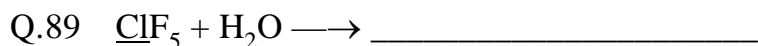
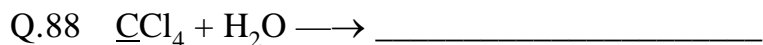
(A) If product is oxy acid with -ic suffix.

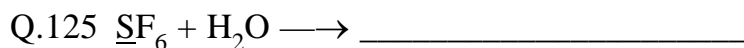
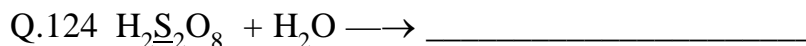
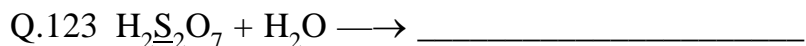
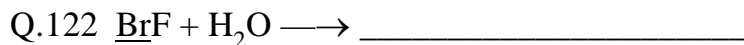
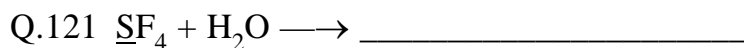
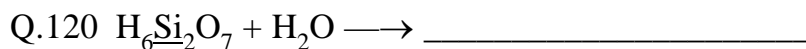
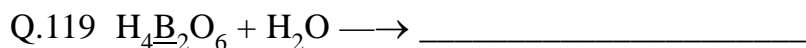
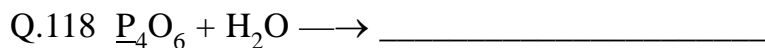
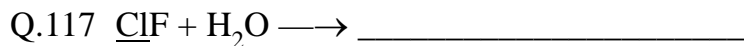
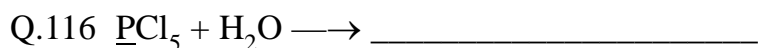
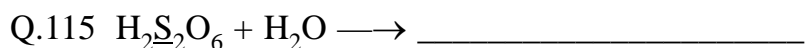
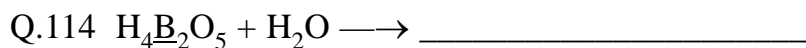
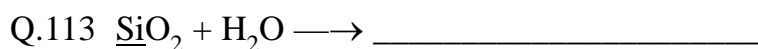
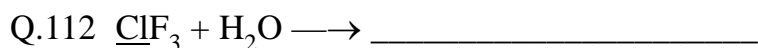
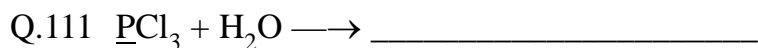
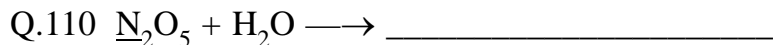
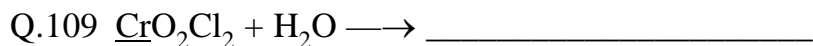
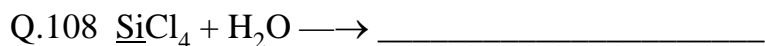
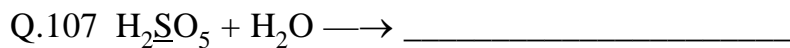
(B) If product is oxy acid with -ous suffix.

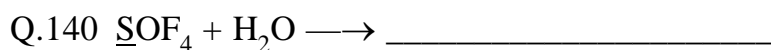
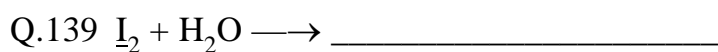
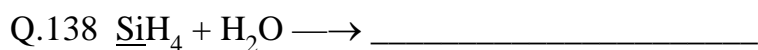
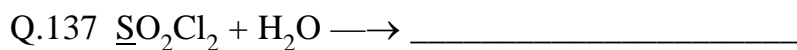
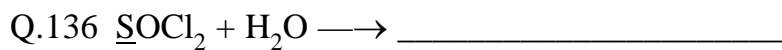
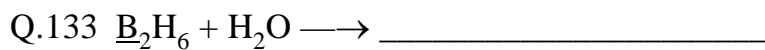
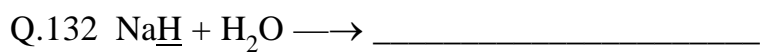
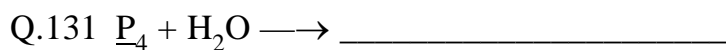
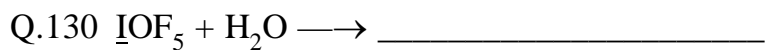
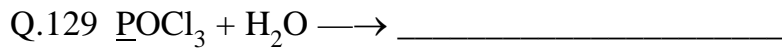
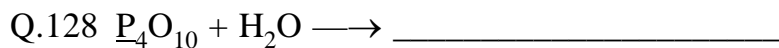
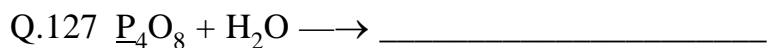
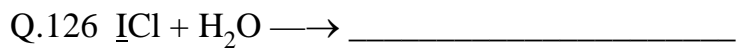
(C) If product are two oxy acids one with -ic suffix and other one with -ous suffix.

(D) If product is not oxy acid, neither with -ic suffix nor with -ous suffix.









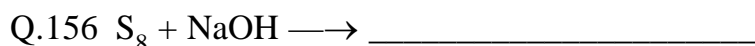
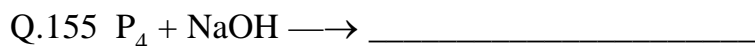
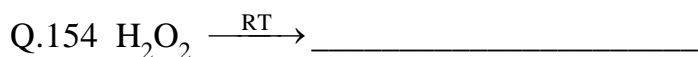
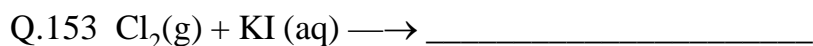
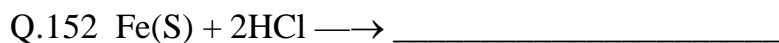
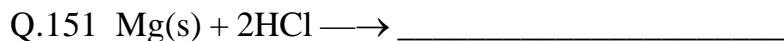
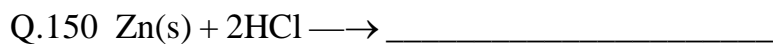
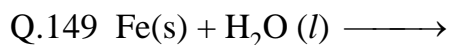
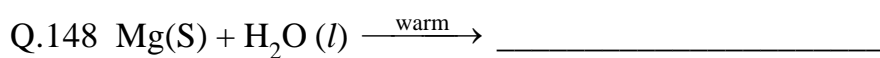
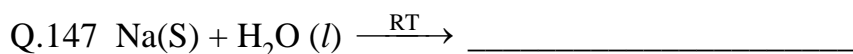
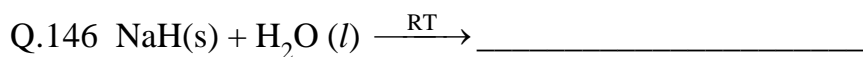
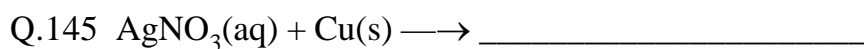
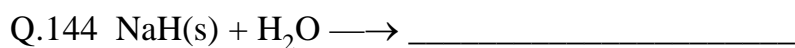
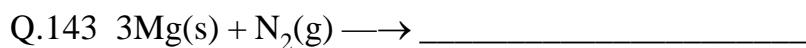
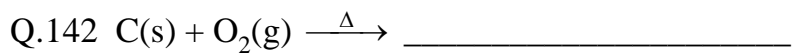
Assign (A), (B), (C), (D) from given type of reactions.

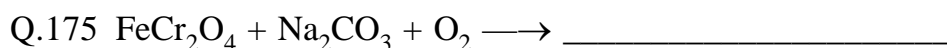
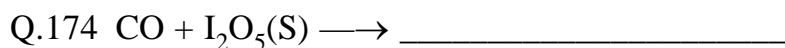
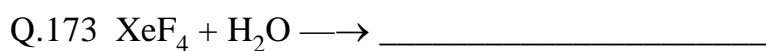
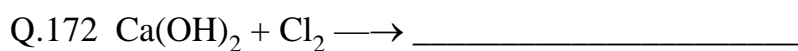
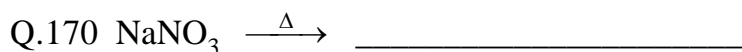
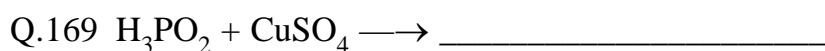
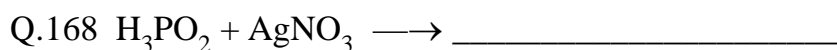
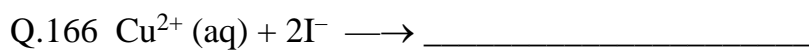
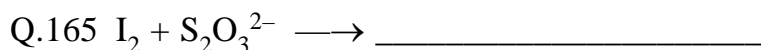
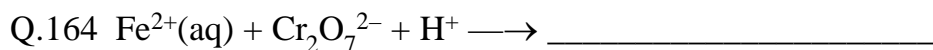
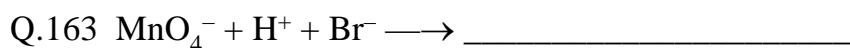
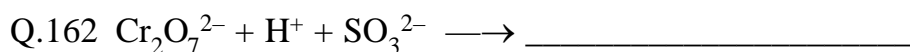
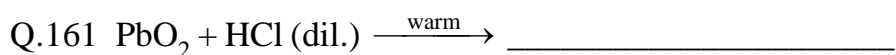
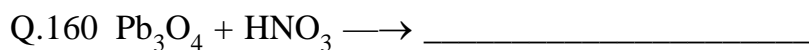
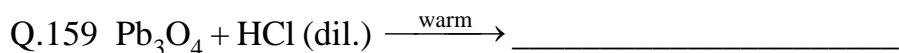
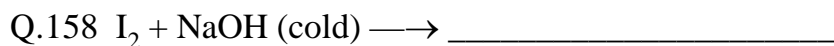
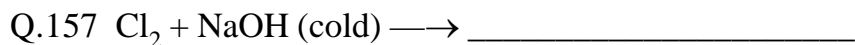
(A) Disproportionation reaction

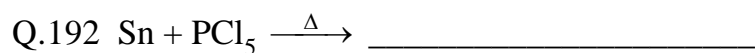
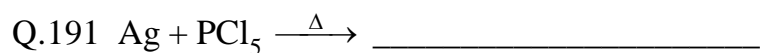
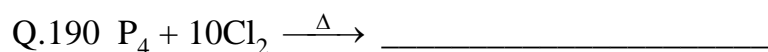
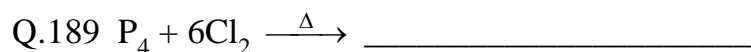
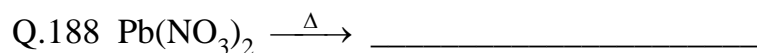
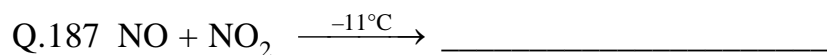
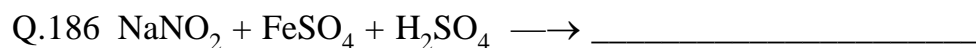
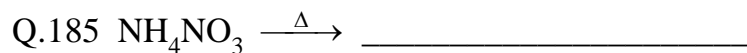
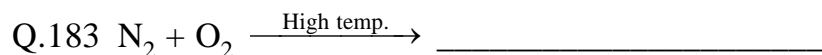
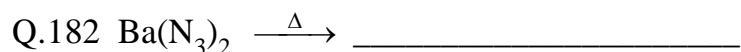
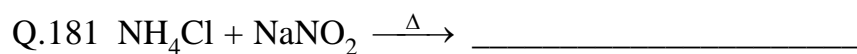
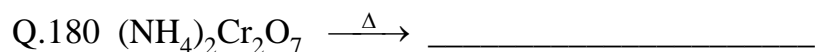
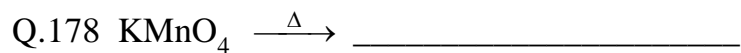
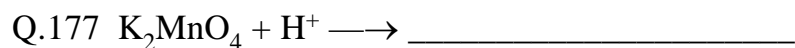
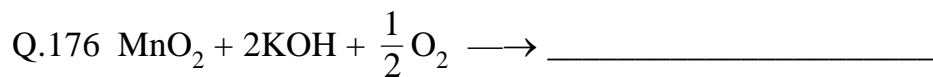
(B) Comproportionation reaction

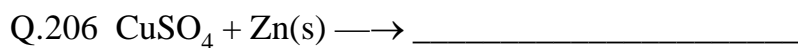
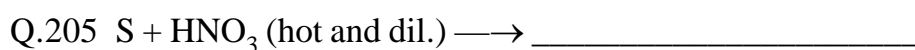
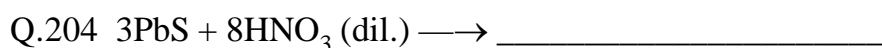
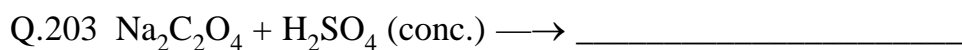
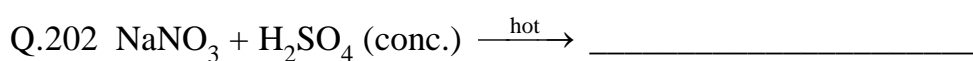
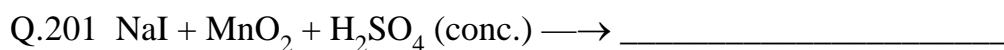
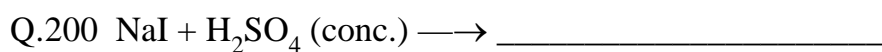
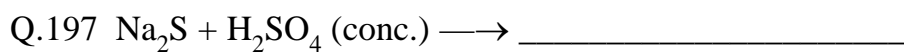
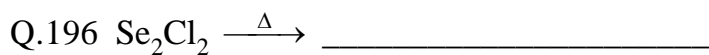
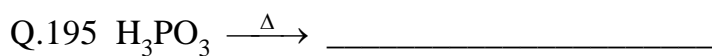
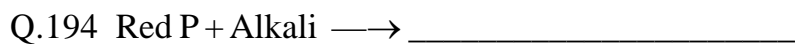
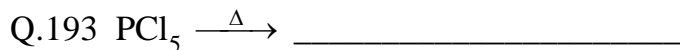
(C) Either intermolecular redox reaction or displacement reaction.

(D) Either thermal combination redox reaction or thermal decomposition redox reaction.









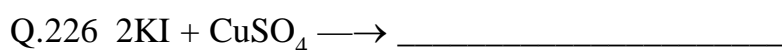
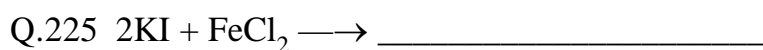
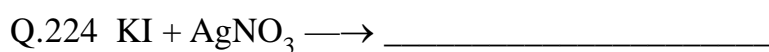
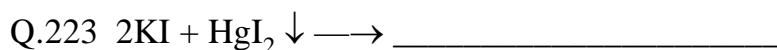
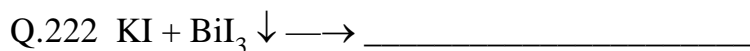
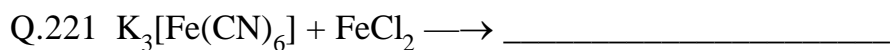
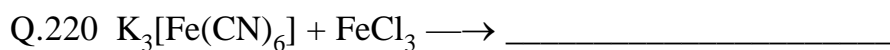
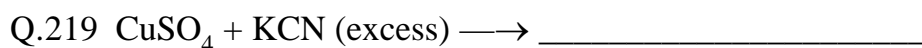
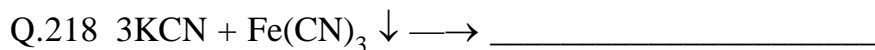
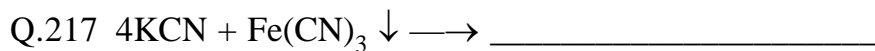
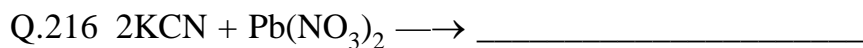
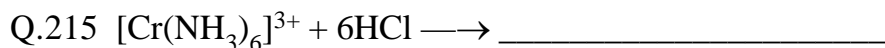
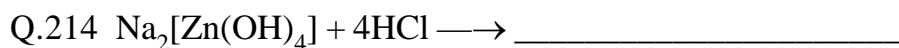
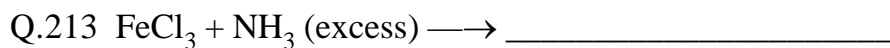
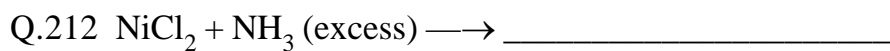
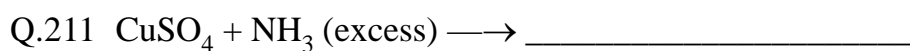
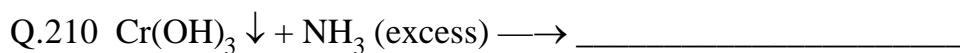
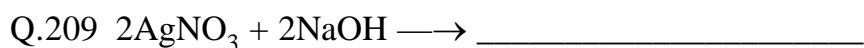
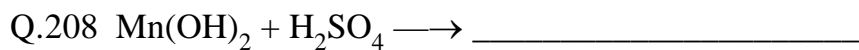
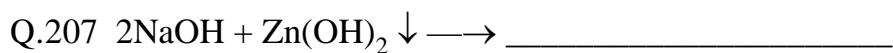
Assign (A), (B), (C), (D) from given type of reactions.

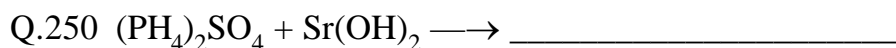
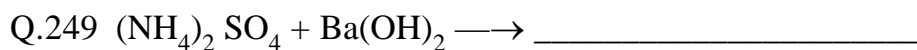
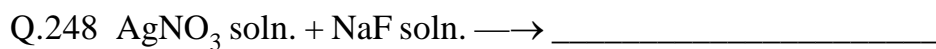
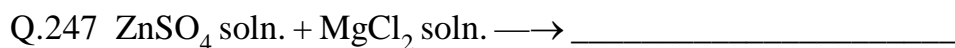
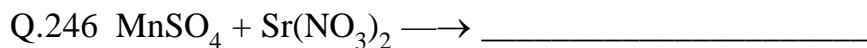
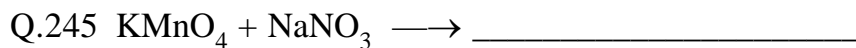
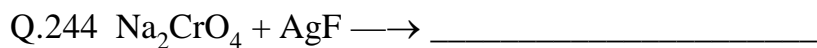
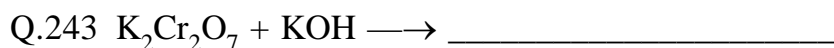
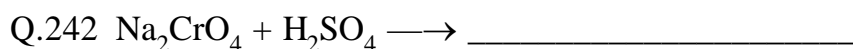
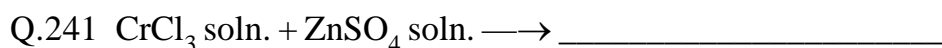
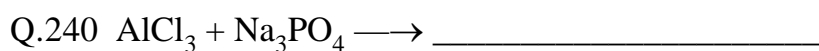
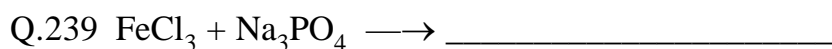
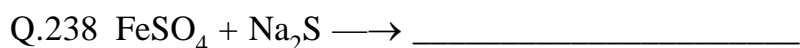
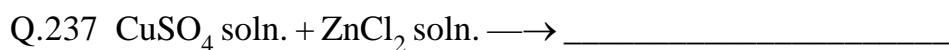
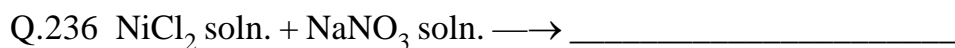
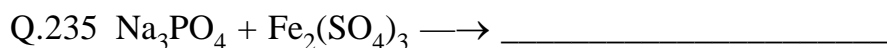
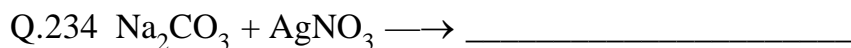
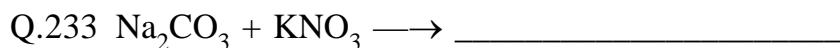
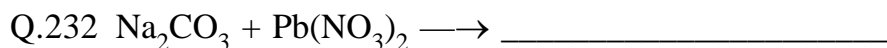
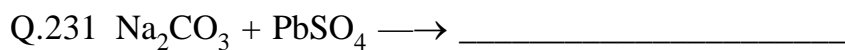
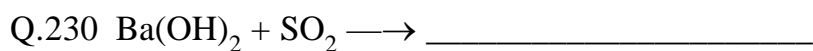
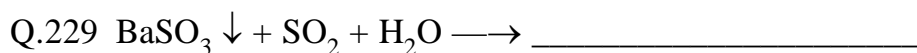
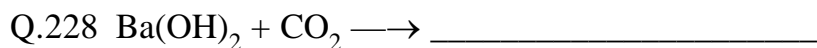
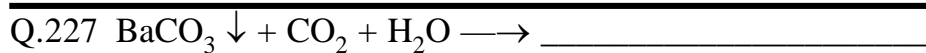
(A) coloured ppt/black ppt

(B) coloured solution

(C) clear/colour less solution

(D) white ppt.





[ANSWER KEY]**EXERCISE**

Q.1	A	Q.2	B	Q.3	A	Q.4	A	Q.5	D
Q.6	B	Q.7	A	Q.8	B	Q.9	A	Q.10	A
Q.11	D	Q.12	B	Q.13	B	Q.14	B	Q.15	B
Q.16	B	Q.17	A	Q.18	B	Q.19	A	Q.20	B
Q.21	B	Q.22	B	Q.23	A	Q.24	B	Q.25	B
Q.26	A	Q.27	A	Q.28	B	Q.29	B	Q.30	B
Q.31	A	Q.32	A	Q.33	C	Q.34	A	Q.35	D
Q.36	A	Q.37	B	Q.38	B	Q.39	D	Q.40	C
Q.41	A	Q.42	A	Q.43	B	Q.44	D	Q.45	A
Q.46	A	Q.47	B	Q.48	B	Q.49	A	Q.50	B
Q.51	B	Q.52	A	Q.53	D	Q.54	B	Q.55	A
Q.56	A	Q.57	A	Q.58	C	Q.59	C	Q.60	D
Q.61	A	Q.62	A	Q.63	A	Q.64	B	Q.65	A
Q.66	A	Q.67	A	Q.68	A	Q.69	B	Q.70	D
Q.71	B	Q.72	A	Q.73	A	Q.74	A	Q.75	A
Q.76	B	Q.77	A	Q.78	A	Q.79	B	Q.80	D
Q.81	A	Q.82	C	Q.83	A	Q.84	A	Q.85	A
Q.86	B	Q.87	A	Q.88	D	Q.89	A	Q.90	D
Q.91	C	Q.92	A	Q.93	D	Q.94	A	Q.95	D
Q.96	A	Q.97	A	Q.98	D	Q.99	A	Q.100	B
Q.101	A	Q.102	A	Q.103	A	Q.104	B	Q.105	C
Q.106	A	Q.107	A	Q.108	A	Q.109	A	Q.110	A
Q.111	B	Q.112	B	Q.113	D	Q.114	A	Q.115	C
Q.116	A	Q.117	B	Q.118	B	Q.119	A	Q.120	A

Q.121	B	Q.122	B	Q.123	A	Q.124	A	Q.125	D
Q.126	B	Q.127	C	Q.128	A	Q.129	A	Q.130	A
Q.131	D	Q.132	D	Q.133	A	Q.134	B	Q.135	D
Q.136	B	Q.137	A	Q.138	A	Q.139	D	Q.140	A
Q.141	D	Q.142	D	Q.143	D	Q.144	BC	Q.145	C
Q.146	C	Q.147	C	Q.148	C	Q.149	C	Q.150	C
Q.151	C	Q.152	C	Q.153	C	Q.154	A	Q.155	A
Q.156	A	Q.157	A	Q.158	A	Q.159	C	Q.160	C
Q.161	C	Q.162	C	Q.163	C	Q.164	C	Q.165	C
Q.166	C	Q.167	C	Q.168	C	Q.169	C	Q.170	D
Q.171	A	Q.172	A	Q.173	A	Q.174	C	Q.175	C
Q.176	C	Q.177	A	Q.178	D	Q.179	D	Q.180	D
Q.181	B	Q.182	D	Q.183	CD	Q.184	D	Q.185	BD
Q.186	C	Q.187	B	Q.188	D	Q.189	CD	Q.190	CD
Q.191	C	Q.192	C	Q.193	D	Q.194	A	Q.195	AD
Q.196	AD	Q.197	C	Q.198	C	Q.199	C	Q.200	C
Q.201	C	Q.202	D	Q.203	A	Q.204	C	Q.205	C
Q.206	C	Q.207	C	Q.208	B	Q.209	A	Q.210	B
Q.211	B	Q.212	B	Q.213	A	Q.214	C	Q.215	B
Q.216	D	Q.217	B	Q.218	B	Q.219	C	Q.220	B
Q.221	A	Q.222	B	Q.223	C	Q.224	A	Q.225	B
Q.226	D	Q.227	C	Q.228	D	Q.229	C	Q.230	D
Q.231	D	Q.232	D	Q.233	C	Q.234	D	Q.235	A
Q.236	B	Q.237	B	Q.238	A	Q.239	B	Q.240	D
Q.241	B	Q.242	B	Q.243	B	Q.244	A	Q.245	B
Q.246	D	Q.247	C	Q.248	C	Q.249	D	Q.250	D