## **Chemical Coordination and Integration**





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NCERT Maps



## NCERT Maps

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	Sharpen Your Understanding	NCERT Based MCQs
1.	How many of the given hormones play a significant role in calcium balance in the body?INCERT Pg. 335]a. Parathormoneb. Thyrocalcitoninc. Thymosind. Thyroxine(1) a and c(2) b and c(3) c and d(4) a and b	<ul> <li>(1) Cretinism         <ul> <li>(2) Graves' disease</li> <li>(3) Exophthalmic goitre                 <ul></ul></li></ul></li></ul>
2.	[NCERT Pg. 337](3) cAMP(1) Anti-inflammatory response6. Select the iodi(2) Suppress RBC production(1) Cortisol	(3) cAMP       (4) ATP       [NCERT Pg. 333]         6. Select the iodine containing hormone       (1) Neurohypophysis         (2) Adenohypophysis         (3) cAMP       (2) Adenohypophysis
3.	<ul> <li>Hormones can be described by all the given features except [NCERT Pg. 331]</li> <li>(1) Non-nutrient chemicals</li> <li>(2) Produced in traces</li> <li>(3) Act as intercellular messenger</li> <li>(4) Always work by suppressing gene expression</li> </ul>	<ul> <li>7. Which is not the exact function of insulin hormone? [NCERT Pg. 337]</li> <li>(1) Promote synthesis of fat from glucose</li> <li>(2) Target tissues are liver and muscles</li> <li>(3) Increase glycogen content in liver and muscles</li> <li>(4) Stimulate protein breakdown</li> <li>11. Which of the given disorder is not related with growth hormone? [NCERT Pg. 333]</li> <li>(1) Acromegaly (2) Dwarfism</li> <li>(3) Gigantism (4) Graves' disease</li> <li>12. How many of the following conditions given can result in goitre? [NCERT Pg. 334, 335]</li> <li>a. Hyposecretion of thyroxine</li> </ul>
4.	<ul> <li>Read the following features in a baby and choose the disorder in which they are well observed? [NCERT Pg. 335, 336]</li> <li>a. Abnormal skin</li> <li>b. Low intelligence quotient</li> <li>c. Deaf-mutism</li> <li>d. Stunted growth</li> <li>e. Mental retardation</li> </ul>	8. Which of the following cannot be included in the same chemical group?       b. Hypersecretion of thyroxine         [NCERT Pg. 340]       c. Excess iodine in blood         (1) Cortisol       (1) One         (2) Estradiol       (2) Two         (3) Progesterone       (3) Three         (4) Epinephrine       (4) Four

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13.	Select the mismatch of hormone and its site of action [NCERT Pg. 332]	Î.			
	<ol> <li>Melanocyte stimulating – Skin cells hormone</li> </ol>	17.			
	(2) Adrenocorticotrophic – Adrenal hormone cortex				
	<ul> <li>(3) Follicle stimulating – Ovary hormone</li> </ul>				
	<ul> <li>(4) Gonadotrophin releasing – Gonads hormone</li> </ul>	18.			
14.	Which of the following gland grow to the maximum size uptil puberty and then degenerates gradually? [NCERT Pg.335]				
	(1) Pituitary (2) Thyroid				
	(3) Thymus (4) Parathyroid	19.			
15.	When blood glucose level drops below the set point, the release of which hormone promotes the release of glucose in blood?				
	[NCERT Pg. 337]				
	(1) Insulin (2) Somatostatin				
	(3) Glucagon (4) Parathormone				
16.	Complete the analogy w.r.t. hormone responsible for sexual behaviour.				
	Male : Androgens				
	Female : X [NCERT Pg. 339]				
1.	The neural and system jointly	3.			
	coordinate and regulate the physiological				
	functions in the body. [NCERT Pg. 331]	4.			
2.	In humans, MSH is secreted by				

[NCERT Pg. 333]

	(1) Progesterone	(2) Estrogen		and the second s	(iv) Stimulates
	(3) Prolactin	(4) Cortisol		(CCK)	secretion of HCI
-		produced by pituitary		(1) a(ii), b(iii), c(i), d(iv	)
	child?	INCERT Pg. 332]		(2) a(iv), b(i), c(iii), d(ii	)
	(1) TSH	(2) GH		(3) a(ii), b(i), c(iii), d(iv	)
	(3) Thyroxine	(4) Somatostatin		(4) a(i), b(ii), c(iv), d(iii	)
	Which of the following hormone triggers ovulation and stimulates conversion of			Choose the mismatch	
	ovarian follicles into	corpus luteum?		[	NCERT Pg. 338-339]
		[NCERT Pg. 338]		(1) Progesterone - Mai	intenance of pregnancy
	(1) Progesterone	(2) LH			I development of
	(3) TSH	(4) Estrogen	N		mmary glands
l.	Match the columns and select the correct option [NCERT Pg. 339]			(2) Erythropoietin - Sec	creted by bone marrow
			1		thropoiesis
	Column-l	Column-II	N'A	0	nulates growth and
	a. Gastrin	(i) Inhibits gastric secretion	V3r	acti	vities of secondary sex
	b. Gastric inhibitory				ans in female and elopment of growing
2	peptide (GIP)	secretions of pancreatic juice			rian follicles
	c. Secretin	(iii) Stimulates		(4) Growth factors - Sec	creted by non-endocrine
	C. Coordian	secretion of water		151.517	ue and are essential for
		and bicarbonate		1.5.72	air and regeneration of
	Aica.	from pancreas		tiss	ues
3	<b>C</b> Thinking	in Context			
		in a skull bone	5.	Hormone responsible	
	encloses pituitary gla	and. [NCERT Pg. 333]		·	[NCERT Pg. 334]
		yroid glands are present	6.	A peptide hormone n	
		of each lobe of thyroid		major role in the	
	gland	[NCERT Pg. 335]	1	lymphocytes.	[NCERT Pg. 335]

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7. 8.	our body.       [NCERT Pg. 334]         Underproduction of hormones of adrenal cortex, results in alteration in carbohydrate metabolism that leads to disease	12
		Image: Incern Pg. 336       to hypo-secretion of 'B' hormone.         13. Endocrine gland present on either side of trachea is       [NCERT Pg. 334]         14. Hyperglycemic hormone produced by α-cells of islets of Langerhans is       Image: Image
9.		[NCERT Pg. 337] 15. ANF is a X hormone produced by interacting with the genome are and
10.		Y which Z blood pressure.       Interacting with the genome are and         [NCERT Pg. 339]       20. X and Y hormones are synthesized
11.		16. Vigorous contractions of uterus during child birth is due tohormone. [NCERT Pg. 334]
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