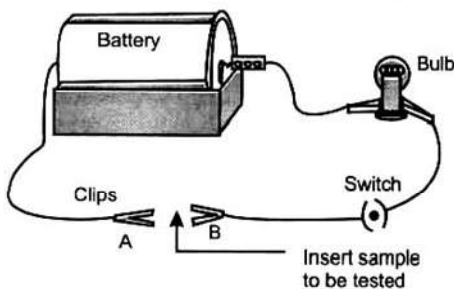


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**METALS AND NON-METALS****DPP NO. 07****TOPIC : PHYSICAL PROPERTIES OF METALS AND NON METALS**

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1. Which of the following properties is not associated with metals ?  
(A) Allotropy                      (B) Conductivity                      (C) Ductility                      (D) Malleability
2. Which of the following element is a metal ?  
(A) Aluminium                      (B) Boron                      (C) Carbon                      (D) Silicon
3. Which of the following elements is not a metal ?  
(A) Calcium                      (B) Copper                      (C) Potassium                      (D) Sulphur
4. Iron is a/an -  
(A) Alloy                      (B) Metal                      (C) Metalloid                      (D) Non-metal
5. Which of the following non-metal is a good conductor of electricity ?  
(A) Diamond                      (B) Graphite                      (C) Phosphorus                      (D) Sulphur
6. One of the constituents of amalgam is  
(A) Aluminium                      (B) Copper                      (C) Iron                      (D) Mercury
7. Which of the following metal reacts with water causing fire ?  
(A) Aluminium                      (B) Calcium                      (C) Sodium                      (D) Zinc
8. Which of the following metal is used in storage battery ?  
(A) Iron                      (B) Lead                      (C) Tin                      (D) Zinc
9. The metal which exists as a liquid is  
(A) Aluminium                      (B) Sodium                      (C) Mercury                      (D) Potassium
10. Which of the following non-metal exists in the liquid form ?  
(A) Chlorine                      (B) Bromine                      (C) Iodine                      (D) Fluorine
11. Give an example of a metal which  
(A) is a liquid at room temperature.                      (B) can be easily cut with knife.  
(C) is the best conductor of heat.                      (D) is the poorest conductor of heat.
12. Explain the meaning of malleable and ductile. Give two examples of each.
13. Give reason why metals are generally good conductors of electricity.
14. A student set up an electric circuit as shown in figure. He placed the metal to be tested in the circuit between terminals A and B as shown.



- (a) Does the bulb glow ? What does this indicate ?
- (b) Why are electric wires coated with rubber like material ?
15. An element E combines with  $O_2$  to form an oxide  $E_2O$ , which is good conductor of electricity. Answer the following  
(a) How many electrons will be present in the outermost shell of E ?  
(b) Write the formula of the compound formed when it combines with chlorine.

## Answers Key

## AND NON-METALS

**DPP NO. 07**

**TOPIC : PHYSICAL PROPERTIES OF METALS AND NON METALS**

1. A      2. A      3. D      4. B      5. B      6. D      7. C  
8. B      9. C      10. B