

CLASS X SAMPLE PAPER SCIENCE

Metal and non Metal

Q. 1. Give an example of metal which:

- i. Is liquid at room temperature?
- ii. Can be easily cut with knife

Q. 2. Give an example of a metal which:

- i. Is the best conductor of heat
- ii. Is a poorest conductor of heat

Q. 3. Explain the meaning of malleable and ductile?

Q. 4. What are amphoteric oxides?

Q. 5. Give example of two amphoteric oxides?

Q. 6. What is anodizing?

Q. 7. What happens when metal react with water?

Q. 8. What happens when metals react with dilute acid? Give one example.

Q. 9. What is the reactivity series of metals?

Q. 10. Why is sodium or potassium metals kept immersed in kerosene oil?

Q. 11. Define minerals and ores?

Q. 12. What is the basis of removal of the ore?

- Q. 13. What is roasting?
- Q. 14. What is calcination?
- Q. 15. What is an amalgam?
- Q. 16. Why are foodcans coated with tin metal and not zinc metal?
- Q. 17. State two ways to prevent the rusting of iron?
- Q. 18. What types of oxides are formed when non metals combine with oxygen?
- Q. 19. Differentiate between metals and non-metals on the basis of their physical properties?
- Q. 20. Explain the refining of impure copper metal?
- Q. 21. Write an activity to show that ionic compounds are good conductors of electric current in their aqueous solution?

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