

## Basic Science Questions and Answers

**1. The most important ore of Aluminium is**

Bauxite

**2. The element present in the largest amount in rocks and minerals is**

Silicon

**3. An alloy used in making heating elements for electric heating devices is**

Nichrome

**4. German Silver is an alloy of**

Zinc, Copper and Nickel

**5. Air is a/an**

Mixture

**6. Which of the following is the best conductor of Electricity ?**

Sea water

**7. Balloons are filled with**

Helium

**8. The charcoal used to decolourise raw sugar is**

Wood charcoal

**9. The most abundant metal in the earth's crust is**

Aluminium

**10. The gas used to extinguish fire is**

Carbon dioxide

**11. The element common to all acids is**

Hydrogen

**12. Gobar gas contains mainly**

Methane

**13. The most malleable metal is**

Pain Killer

**14. Tetraethyl lead is used as**

Petrol additive

**15. Which of the following is used in beauty parlours for hair setting ?**

Chlorine

**16. From which mineral is radium obtained**

Pitchblende

**17. What is laughing gas ?**

Nitrous oxide

**18. Which form of phosphorus is used in safety metals?**

Red Phosphorus

**19. Stainless steel is an alloy of**

Iron, Chromium and Nickel

**20. Antidiuretic hormone (ADH)**

causes an increase in the blood pressure

**21. The major ingredient of leather is**

Collagen

**22. Glass is made from the mixture of**

Sand and silicates

**23. Epoxy resins is used as**

Adhesives

**24. Polythene is industrially prepared by the polymerization of**

Ethylene

**25. A mixture of water and alcohol can be separated by**

**26. A substance which changes readily into vapour without heating is called**

Volatile

**27. In which following processes light energy is converted into chemical energy ?**

Photosynthesis

**28. Cooking oil can be converted into vegetable ghee by the process of**

Hydrogenation

**29. Photosynthesis is**

An endothermic process

**30. Which of the following substances exhibit the property of sublimation ?**

Camphor

**31. Combustion is the process in which**

Heat and Light is produced

**32. The chemical used as a fixer in photography is**

Sodium thiosulphate

**33. A mixture of iron filings and sand can be separated by**

Magnetic Separation

**34. In which of the following process, Vanadium Pentoxide is used as a catalyst ?**

Contact process

**35. The rate of chemical reaction does not depend on**

Pressure

**36. Which of the following metals can displace hydrogen from dilute acids ?**

Zinc

**37. Reaction of alcohol, with carboxylic acid is known as**

Esterification

**38. Saponification involves the hydrolysis of fats and oils by**

Caustic acid

**39. Which of the following gases is obtained by the reaction of water with Calcium Carbide ?**

Methane

**40. The gas liberated during the reaction of copper with dilute nitric acid is**

NO

**41. Which of following substances undergoes chemical change on heating ?**

it can dissociate into equal number of hydrogen ions

**42. Which of following substances undergoes chemical change on heating ?**

Lead Nitrate

**43. Water is neither acidic nor alkaline because**

it can dissociate into equal number of hydrogen ions

**44. PVC is obtained by the polymerisation of**

Vinyl Chloride

**45. Which of the following metals can displace zinc from a solution of zinc sulphate ?**

Magnetism