

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