

## SCIENCE:

The word science comes from the Latin word scientia which implies knowledge. The science as subject has come to mean the systematic, consistent and excellent study of the physical world including everything that can be seen, observed or detected in nature by the man and society and the knowledge that grows out of such study. usually the science is characterized by the methodologies and approaches of the hypotheses, postulates, assumptions, theories and laws based experimental observations and mathematical conclusions.

The science is broadly categorized into two groups- Natural science and Social science. natural science deals with the nature or physical world.

Natural science is broadly divided into:

1. Physical science (studies concerned with non-living matter)
2. Life science or Biological science (studies concerned with living matter)

### General Science :

1. The temperature at which all substances have zero thermal energy - **273 degree celcius.**
2. Any substance which when added to a reaction, alters the rate of the reaction but remains chemically unchanged at the end of the process is called - **Catalyst.**
3. The study of the inter-relations of animals and plants with their environment is called-**Ecology.**
4. Study of insects is called-**Entomology.**
5. A unit used to express the focal power of optical lenses-**Diopetre.**
6. The velocity that a body with less mass must achieve in order to escape from the gravitational attraction of a more massive body is called-**Escape Velocity.**
7. Laughing gas is chemically known as- **Nitrous Oxide.**
8. The blood vessels carrying blood from the heart to various parts of the body is called-**Artery.**
9. The distance travelled by light in one year is called - **Light year.**
10. An organism which derives its nourishment from another living organism is called-**Parasite.**
11. Newton's which law states that the rate of change of momentum of a body is directly proportional to the force applied and takes place in the direction in which the force act -**Newton's second law of motion.**
12. Which is the world's first man-made satellite- **Sputnik-I.(4 Oct. 1957)**
13. Which planet is the brightest of all the planets-**Venus.**
14. Small pieces of solid matter which are found scattered in the inter-planetary space of the solar system are known as-**Meteoroids.**
15. The largest gland in the body which is dark red in colour is- **Liver.**
16. Inadequate secretion of Insulin hormone causes which disease -**Diabetes.**
17. Common cold, Influenza, Chickenpox and Measles are caused due to the attack of Virus or Bacteria - **Virus.**
18. In which atmospheric layer are the communication satellite located- **Ionosphere.**
19. The scientific principle behind 'Fibre Optics' is - **Total internal reflection of light.**
20. Ginger is a stem and not a root, True or False - **True (because it has nodes and Internodes).**
21. When we wind a watch which energy is stored - **Potential Energy.**

22. On which phenomena the process of Dialysis used on patient with affected kidneys is Based - **Osmosis**.
23. When a piece of ice floating in a beaker of water melts, the level of water will rise or fall-**Remains the same**.
24. Energy stored in a dry cell is - **Chemical energy**.
25. When a cricketer lowers his hand while catching the ball, it saves him from injury due to - **Conservation of momentum**.
26. Full form of AIDS is - **Acquired Immune Deficiency Syndrome**.
27. Chemical technology dealing with the conversion of base metals into gold is - **Alchemy**.
28. Substances produced by micro-organism that kill or prevent growth of other micro-organism is called - **Antibiotics**.
29. Substances which react with acids to form salts is called - **Base**.
30. The ancient oriental art of growing trees in dwarf form is called - **Bonsai**.
31. What is the unit of heat - **Calorie**.
32. The ability of a body to resist tension or compression and to recover its original shape and size when the stress is removed is called - **Elasticity**.
33. The negatively charged particles which revolve around the nucleus of the atom in certain orbits is called - **Electron**.
34. The branch of biology dealing with study of Heredity is - **Genetics**.
35. Kwashiorkor is caused due to the deficiency of - **Protein**.
36. Optical illusion often witnessed in deserts when the objects on the surface of the earth at
37. The branch of science which deals with study of nature and properties of light is called- **Optics**.
38. The scale used to measure the magnitudes of earthquakes is called - **Richter scale**.
39. The heat required to raise the temperature of 1 kg of a substance through one degree celcius is called - **Specific heat**.
40. The speed greater than the speed of sound is called- **Supersonic speed**.
41. Volatile substance that incapacitates for a time by powerfully irritating the eyes, provoking tears is called - **Tear gas**.
42. Who is the inventor of Dynamite - **Alfred B. Nobel**.
43. Who discovered life in plants - **Jagadish Chandra Bose**.
44. The unit used to measure loudness of sound is - **Decibel**.
45. The smallest part of an element that can take part in a chemical reaction is called - **Atom**.
46. Substances used for destroying or stopping growth of micro-organisms in living tissue is Called -**Antiseptic**.
47. Water that does not form lather with soap easily is called - **Hard water**.
48. The lines drawn on maps joining the places having same barometric pressure is called -**Isobars**.
49. Lymph differs from blood in not having - **Red Blood Corpuscles**.
50. Universal receivers can receive blood from - **Groups O, A, B and AB**
51. Study of Grass is called - **Agrostology**.
52. Study of Tumor is called - **Oncology**.
53. Which physical property will be unaffected with increase in quantity - **Density**.
54. Oil spreads over the surface of water because - **Oil has less surface tension than water**.
55. In high mountaneous regions bleeding through nose occurs because - **The pressure of the blood in the capillaries is higher than the outside air pressure**.
56. Why does a man weigh more at the poles than at the equator - **Gravitational pull is more at the poles**.
57. A gas will behave as an ideal gas at - **At very low pressure and high temperature**.
58. Oology is the branch of science dealing with the study of -**Birds egg**.
59. Why does a drop of liquid assume a spherical shape - **Because a sphere has the least surface tension**
60. When cream is separated from milk the density of milk increases or decreases-**Increases**
61. Diamond is harder than Graphite due to difference of - **Crystalline structure**.
62. Which combination of colours is the most convenient during day and night time-- **Red and Green**
63. An element which does not react with oxygen is - **Helium**
64. An instrument that measures and records the relative humidity of air is - **Hygrometer**
65. The different colours of different stars are due to the variation of- **Temperature**
66. Which is left when an hydrogen atom loses its electron - **A proton**
67. The fundamental scientific principle in the operation of a battery is - **Oxidation-reduction**
68. Which metal is used to galvanise iron - **Zinc**
69. The instrument used to measure the force and velocity of the wind is- **Anemometer**
70. Edward Jenner is associated with - **Small Pox**