1. The value of acceleration due to gravity
   1. is least on equator
   2. is least on poles
   3. is same on equator and poles.
   4. increases from pole to equator

Answer: d

1. Give the chemical formulae for the following compounds and compute the ratio by mass of the combining elements in each one of them.
   1. Ammonia
   2. Carbon monoxide
   3. Hydrogen chloride
   4. Aluminium fluoride

Answer: c

1. Write the molecular formulae for the following compounds
   1. Aluminium (III) nitrate
   2. Calcium (II) phosphate
   3. Mercury (II) chloride
   4. Magnesium (II) acetate

Answer: c

1. Which one of the following has maximum number of atoms?
   1. 18 g of H2O
   2. 18 g of O2
   3. 18 g of CO2
   4. 18 g of CH4

Answer: d

1. Survival of plants in terrestrial environment has been made possible by the presence of
   1. intercalary meristem
   2. conducting tissue
   3. apical meristem
   4. parenchymatous tissue

Answer: a

1. In which group of animals coelom is filled with blood?
   1. Arthropoda
   2. Annelida
   3. Nematoda
   4. Echinodermata

Answer: d

1. Organisms without nucleus and cell organelles belong to
   1. Fungi
   2. Protista
   3. Algae
   4. Bacteria

Answer: b

1. Which cells do not have perforated cell walls?
   1. Tracheids
   2. Companion cells
   3. Sieve tubes
   4. Vessels

Answer: a