

WORKSHEET I

SCIENCE

CHAPTER 1 TO 9

DRAW FOLLOWING DIAGRAMS:-

- 1) Draw plant cell labeling following parts:
 - a) Vacuole
 - b) Cell wall
 - c) Nucleus
 - d) Mitochondria
 - e) Plastids
 - f) Golgi apparatus
- 2) Draw and explain flames of candle
- 3) Budding in yeast
- 4) Binary fission in amoeba
- 5) Flow chart- Main stages of fertilization
- 6) Bacteria- Bacilli, Cocci, Commas
- 7) Protozoa-Paramecium, Euglena
- 8) Linear arrangement and cross linked arrangement of polymers
- 9) Muscle cell, Skin cell, Nerve cell
- 10) Parts of nucleus

WORKSHEET 2

SCIENCE

Q1 Write the chemical equations:

- (a) Sodium reacts with water
- (b) Magnesium with oxygen
- (c) Carbon dioxide with water
- (d) Sodium with water
- (e) Zinc with sulphuric acid
- (f) Aluminum with hydrochloric acid
- (g) Zinc with copper sulphate
- (h) Sulphur with oxygen
- (i) Sulphur dioxide with water
- (j) Silver with zinc sulphate

Q2 Differentiate physical properties of Metal and Non Metals on following parameters:

- 1) Luster
- 2) Colour
- 3) Malleability
- 4) Ductility
- 5) Thermal conductivity
- 6) Electrical conductivity

WORKSHEET 3

SCIENCE

Q1 Rita and Seema viewed two unknown slides under a microscope. Slide A had a cell wall and chloroplast. Slide B did not have chloroplast. Identify the slides as plant cell and animal cell and justify.

Q2 Plant cell contain plastids. Why?

Q3 "The sex of the baby depends only on father". justify the statement.

Q4 Your gas stove sometime produces yellow flame, why ?

Q5 Why we prefer nylon rope over jute rope?

Q6 Yash left the sandwich in his lunchbox over the weekend. When he opened the lunchbox on Monday, he found a whitish, cottony growth on the surface of bread.

- a) What could be the cause?
- b) Is sandwich fit to eat? Give reasons.
- c) Will sandwich be edible if left in the refrigerator over the weekend?

Q7 Raju ate the food from the market. In the night he had stomach pain and vomiting. Name the pathogen that had caused the infection and how it can be cured?

Q8 Why farmers grow cotton plants with groundnut crops?

Q9 Write the mode of transmission, causative pathogen and preventive measures:

- a) Typhoid
- b) Malaria
- c) Common cold
- d) Chicken pox

Q10 Why green peas are sown after paddy?