

Science Worksheet Class – 9

Physics

1. State whether True or False.

(a) Displacement cannot be zero. _____

(b) Magnitude of displacement is greater than the distance travelled by the object. _____

2. If the displacement of an object is proportional to the square of time, then the object moves with

(a) Uniform velocity

(b) Uniform acceleration

(c) Increasing acceleration

(d) Decreasing acceleration

3. Which of the following has more inertia?

(a) A rubber ball and a stone of the same size

(b) A bicycle and a train

(c) A five rupees coin and a one-rupee coin

Chemistry

4. Classify the following as chemical or physical change:

- (a) Cutting of trees _____
- (b) Melting of butter in a pan _____
- (c) Rusting of almirah _____
- (d) Boiling of water to form steam _____
- (e) Passing of electric current through water and the water breaking down into ice.

- (f) Hydrogen and oxygen gases _____
- (g) Dissolving common salt in water _____
- (h) Making a fruit salad with raw fruits _____
- (i) Burning of paper and wood _____

5. Write down the chemical formulae of

- (a) Sodium oxide _____
- (b) Aluminium chloride _____
- (c) Sodium sulphide _____
- (d) Magnesium hydroxide _____

6. Give the names of the elements present in the following compounds.

- (a) Quick lime _____
- (b) Hydrogen bromide _____
- (c) Baking powder _____
- (d) Potassium sulphate _____

Biology

7. Name the following.

(a) Tissue that forms the inner lining of our mouth _____

(b) Tissue that connects muscle to bone in humans _____

(c) Tissue that transports food in plants _____

(d) Tissue that stores fat in our body _____

(e) Connective tissue with a fluid matrix _____

(f) Tissue present in the brain _____

8. Which do you think is a more basic characteristic for classifying organisms? Why?

(a) The place where they live

(b) The kind of cells they are made of

9. List any three human activities which would lead to an increase in the carbon dioxide content of air.

10. Find out the correct sentence

- (i) Hybridisation means crossing between genetically dissimilar plants.
- (ii) Cross between two varieties is called as inter specific hybridisation.
- (iii) Introducing genes of desired character into a plant gives genetically modified crop.
- (iv) Cross between plants of two species is called as inter varietal hybridisation.

- (a) (i) and (iii)
- (b) (ii) and (iv)
- (c) (ii) and (iii)
- (d) (iii) and (iv)