

Note :- This worksheet is to be done in a separate notebook.

Q1. Write short notes on the following.

- 1) Communicable disease
- 2) Loudness of sound
- 3) Corrosion
- 4) Electrolysis
- 5) Fluid pressure
- 6) Cytoplasm
- 7) Ignition temperature
- 8) Combustion
- 9) Lightning conductor
- 10) Electrolysis

Q2. Write the differences between the following.

- 1) Static electric charges and moving electric charges
- 2) Combustible substances and non-combustible substances
- 3) Prokaryotic cells and eukaryotic cells
- 4) Infrasonic sound and ultrasonic sound
- (5) Anode and cathode

Q3. Answer the following short questions.

- 1) What is reflection of light? Make a ray diagram and write about it.
- 2) Dams are made thicker at the bottom than at the top. Why?
- 3) What is the relation between pressure, force and area?
- 4) What is an earthquake? Write its effect.
- 5) What are string and wind instruments? Give examples.
- 6) What is multiple reflection? How many images are formed when two mirrors are parallel to each other?
- 7) What are electrolytes? Give example.
- 8) Write three conditions necessary for combustion.
- 9) What is frictional force? Give two examples where it is harmful.
- 10) Write the characteristics of a good fuel.
- 11) Give two examples of electroplating.
- (12) State two laws of reflection.
What chemical effects will happen when an electric current is passed through a conducting solution.

Q4. Answer the following long questions.

1. Explain the effects of force with examples.
2. Draw a labelled diagram of flame of candle and write about its different zones.
3. Write an activity to understand the interaction between two types of electric charges.
4. Write an activity to electroplate copper on another metal.
5. Describe how coal is formed from dead vegetation. What is this process called?
6. Write three examples each where friction is increased and where friction is decreased.
7. Write an activity to show that like charges repel each other and unlike charges attract each other.
8. Explain how sound is produced when we talk?
9. Write in detail about three types of friction and give example for each.
10. Draw the structure of the Earth. How is an earthquake caused?
11. Draw the diagram of internal structure of the Earth and explain it.
12. Suggest three measures to protect ourselves from lightning.
13. Draw a labelled diagram of a human eye and write about its different parts
14. Draw a labelled diagram of a human ear and write about its different parts.
15. Explain how microorganisms is used in food industry.

