



## **THE ASIAN SCHOOL, DEHRADUN**

(Session 2021-22)

### **REVISION WORKSHEET - II**

**Class: VIII**

**Subject: SCIENCE**

#### **Note:**

1. Attempt the worksheet in your subject notebook.
2. The worksheet is based on the topics from the Final Term Syllabus that has been taught in class.
3. The worksheet is meant for practice and recapitulation and shall be discussed by the subject teacher once the classes resume

#### **Q1. Answer in one word or one sentence.**

1. If a metal coin is dropped on hard floor, it produces a ringing sound. What is this property of metals known as?
2. A negatively charged object attracts another charged object placed near it. What is the nature of charge on the other object?
3. Name the hormones that help in metamorphosis of frogs and insects.
4. Name the reproductive cells produced by each parent.
5. What are Golgi bodies in plant cells called?
6. Complete the analogy - Prokaryotes.: eukaryotes:: \_\_\_\_\_: fungi
7. What are low frequency sounds, which we cannot hear, are called.
8. Complete the analogy? Paper: combustible:: \_\_\_\_\_: non-combustible.
9. What colour change will the litmus paper show when introduced to the oxides of non-metals?
10. What is the electric discharge produced between the clouds or cloud and the ground called?

#### **Q2. Short answer questions.**

1. Match the following.

a. Gold	i. wrapping food
b. Zinc	ii. thermometer
c. Aluminium	iii. jewellery
d. Mercury	iv. galvanization.

2. The size of the cells has no relation with the size of the body of an organism. Justify the statement.
3. Differentiate between.
  - a. Epicentre and focus.
  - b. Audible and inaudible sounds.
4. The flame of a kitchen stove is blue in colour. What does it indicate about the heat and light produced?

5. Differentiate between the sound of drums and whistle with the help of wave diagrams only.
6. Hens and humans both show internal fertilisation. What is the difference between the internal fertilisation of both?
7. Differentiate between physical properties of metals and non-metals. Any three?
8. What is metamorphosis? Give two examples of metamorphosis.
9. Name the three layers of the Earth. Draw a label diagram to show the structure of the Earth.
10. What is the function of cell wall in a plant cell?

### Q3. Long answer questions.

1. State three characteristics of vibrations. An also right. Three characteristics of sound affected by characteristics of vibrations.
2. A pendulum oscillates 40 times in four seconds. Calculate its time, period and frequency. Can we hear the sound produced by the oscillation of this pendulum?? Give reasons for your answer.
3. What precaution would you take to protect yourself during an earthquake if you are inside the house?
4. Compare the chemical properties of metals and non-metals in a tabular form.
5. Give reason.
  - a. Sodium and potassium are stored in kerosene.
  - b. Copper cannot displace zinc from its salt solution.
  - c. LPG is a better domestic fuel than wood.
  - d. It is difficult to burn a heap of green leaves, but dry leaf can catch fire easily.
6. What are the conditions necessary for combustion take place?
7. State three differences between a plant cell and an animal cell.
8. The cytoplasm of the cells of a tomato plant contains organelles 'X' having different pigments which impart different colours to the leaves of tomato plant and its fruits.
  - a. What is the general name of the organelles 'X'.
  - b. What is the name and colour and function of organelles 'X' present in the leaves of tomato plant?
  - c. What is the colour of organelles eggs which are present in the ripe fruit of tomato plant?
9. How does an amoeba reproduce? Describe with the help of a labelled diagram.

### Q4. Assertion – Reasoning Questions

1. **Both Statement A and B are correct; B is the correct reason for A.**
2. **Both Statement A and B are correct; B is not the correct reason for A.**
3. **Statement A is true and B is false.**
4. **Statement A is false and B is true.**

I. A – IVF is an internal fertilization technique

B – IVF is an artificial fertilization technique

II. A – An earthquake can cause immense damage to life and property

B – Lightning is not as destructive as an earthquake is.

III. A – A solution of Sulphur dioxide in water turns blue litmus red

B – Sulphur burns in oxygen to produce acidic sulphur dioxide.

IV. A - LPG is a better fuel compared to wood

B – LPG produces less heat than wood on burning.

**Q5. Diagram based questions**

1. Draw a diagram of the human ear. Label all its parts and state the function of each
2. Draw the diagram of a candle flame indicating the different zones.
3. With the help of a diagram, explain the construction and working of a lightning conductor
4. Draw a well labelled diagram of a plant and an animal cell