

JASWANT MODERN SR. SEC. SCHOOL, SCIENCE WORKSHEET-1, CLASS VII

Note: - Do this worksheet in a separate notebook.

Q1. Multiple choice questions.

1. Litmus, a natural dye is an extract of which of the following?
(a) Beet root (b) Hibiscus (c) Lichen (d) Rose
2. Neutralization reaction forms
(a) Acid and a base (b) acid and water (c) base and salt (d) salt and water
3. Sting of an ant contains
(a) Vinegar (b) Formic acid (c) Oxalic acid (d) baking soda
4. The filament of an electric bulb is made up of
(a) Copper (b) Iron (c) Tungsten (d) Tin
5. A metal that is liquid in room temperature
(a) Sodium (b) Lead (c) Mercury (d) Calcium

Q2. Fill in the blanks.

1. The combination of two or more cells is called _____ .
2. In _____ circuit the current flows when the switch is ON.
3. When soap solution is added to the turmeric paste its colour changes to _____ .
4. _____ is the combination of two or more cells.
5. _____ is a metal that is a bad conductor of electricity.
6. Colour of china rose indicator changes to _____ when a base is added to it.

Q3. Answer the following questions.

1. Explain any two uses of neutralization in daily life.
2. What is an electric circuit? Write its components. Draw open circuit and closed circuit.
3. Define the term battery? Explain two ways by which you arrange cells to form a battery.
4. What is the difference between conductors and insulators? Give examples.
5. What are olfactory indicators? Explain giving examples.
6. Write the properties of acids and bases.
7. What is the full form of LED.
8. Draw symbols of bulb, Switch ON and OFF, battery, LED
9. What are indicators? Explain with an example the use of indicator
10. Which metal is liquid in room temperature? Write its use.
11. What is malleability and ductility? Explain giving example.
12. What is sonority? Give example.
13. Write the physical properties of metals.
14. What are metalloids? Give example.
15. Write the physical properties of non-metals.
16. What is the role of an electric switch in a circuit?

Q4. Give Reasons for the following.

1. A yellow curry stain on white shirt turn to brick red when soap is applied on it.
2. Moist baking soda is applied on the skin when an ant bite.
3. Sodium is stored in kerosene oil.
4. Phosphorus is stored in water.
5. The handles of a screwdriver used by an electrician have a plastic cover on them.
6. It is safe to use a cell for science experiment.

Multiple choice questions

1. Which of the following can be drawn into thin sheets?
(a) Zinc (b) Phosphorus (c) sulphur (d) oxygen
2. Which metal is stored in kerosene oil?
(a) iron (b) zinc (c) sodium (d) lead
3. Which non-metal is used for water purification?
(a) Chlorine (b) carbon (c) sulphur (d) iodine
4. Filament of an electric bulb is made of
(a) Copper (b) Iron (c) Tungsten (d) zinc
5. Which of the following contains lactic acid?
(a) unripe grapes (b) ant's sting (c) curd (d) amla

Fill in the blanks.

1. Bases turn _____ litmus to _____.
2. The products of neutralization is _____ and _____.
3. Lime water is _____ in nature.
4. Metal cap of an electric cell is the _____ terminal.
5. The path along which electricity flows is called _____.
6. Salt water is a _____ conductor of electricity.
7. In a LED, the shorter lead is always connected to the _____ terminal.
8. _____ and _____ are the soft metals that can be cut with knife.

Answer the following questions.

1. Compare the properties of metals and non-metals with respect to malleability, ductility and conductivity of electricity?
2. Draw the symbol of battery, bulb, wire, led, switch in On position and switch in off position.
3. List four uses of metals and non-metals.
4. Metals are hard to cut except two metals. Name them.
5. Draw an electric cell and label it.
6. You have been provided with three test tubes containing distilled water, an acidic solution and a basic solution. How will you identify the contents using blue and red litmus paper.
7. Explain two ways in which electric cells can be connected in a battery.

NOTE- EVERY STUDENT HAS TO MAKE A SCIENCE WORKING MODEL AND DO THE FOLLOWING PROJECT.

Roll no. 1-10:

WEATHER REPORT- Refer to a newspaper and collect 10 days weather details like the maximum and minimum temperature, humidity, rainfall and wind speed of the area you live in. Compare it with any other two cities of other states.

Roll no. 11-20:

NATURAL FIBRE- SILK: Collect information about the history of silk, kind of silk varieties produced in India and find the leading producers of Silk in India. Write the steps involved in processing of silk. Make a well-labelled diagram of 'Life Cycle of Silk Worm'.

Roll no. 21- Onwards

ORAL HYGIENE- Prepare a report on oral hygiene. Discuss the problems related to teeth, their causes and their cure. Make a list of different products that can be used to keep the teeth and mouth clean. And draw their pictures.

