

JASWANT MODERN SR. SEC. SCHOOL

CLASS- VII SCIENCE WORKSHEET (Set-A)

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

Q1. Write short notes on the following.

- 1) Rumination
- 2) Clinical thermometer
- 3) Indicators
- 4) Weathering
- 5) Capillaries
- 6) Heating element

Q2. Write the differences between the following.

- 1) Xylem and phloem
- 2) Inhalation and exhalation
- 3) Arteries and veins
- 4) Uniform and non-uniform motion
- 5) RBC and WBC

Q3. Answer the following short questions.

- 1) A simple pendulum takes 16s to complete 10 oscillations. What is the time period of the pendulum?
- 2) Explain the position of ribs and diaphragm during inhalation and exhalation.
- 3) What will happen if there are no platelets in the body?
- 4) Draw a labelled diagram of Amoeba.
- 5) What is neutralization, explain with an equation?
- 6) Write the composition of soil.
- 7) How does respiration take place in muscle cells? Give the equation for the same.
- 8) Explain rusting with an equation.
- 9) What is translocation?
- 10) Write an activity to show that air exerts pressure.

Q4. Answer the following long questions.

1. What is blood? Write the functions of blood.
2. Explain three examples of heterotrophic mode of nutrition.
3. Write about the different arteries and veins entering and going out of the heart.
4. Show the shape of the distance-time graph for the motion in the following cases:-
 - a) A car moving with a constant speed.
 - b) A car parked on a side road.
 - c) A car moving with a varying speed.
5. Draw circuit diagram of an open and closed circuit and write about it.
6. Explain how wind currents are generated due to uneven heating of Earth.
7. What is a chemical change? Give two examples of chemical change. In addition to new products what all accompany a chemical change?
8. What is excretion? Explain the working of different parts of excretory system.