

RYAN INTERNATIONAL SCHOOL, LUDHIANA

SESSION 2014-15

REVISION WORKSHEET

SUBJECT-SCIENCE

CLASS VII & SEC ____

ROLL NO ____

DATE ____

A. Fill in the blanks: -

1. The valency of oxygen is ____
2. The atomicity of an element having formula X_3 is ____
3. The combining capacity of an element is called ____
4. A food ____ is made up of several food chains.
5. The level of ground water is called the ____
6. Formula of glucose is ____
7. Buildings and roads reduce ____ of water by the soil.
8. A convex lens ____ a parallel beam of light incident on it.
9. Cyclonic winds tends to circulate around the ____ of the cyclone.
10. The boiling point of water is ____ °C

B. Define the following

- | | | | |
|--------------|-------------|---------------|--------------|
| 1. Element. | 2. Mixture. | 3. Cyclone | 4. Atomicity |
| 5. Symbiosis | 6. Valency | 7. Weathering | 8. Spectrum |

C. Multiple choice questions:-

1. There are about 117 different

- a. Molecules b. Elements c. Mixture d. none of these

2. What kind of motion does a simple pendulum have

- a. oscillatory b. circular c. rectilinear d. none of these

3. Digested food is absorbed in the

- a. stomach b. Small intestine c. rectum d. oesophagus

4. The smallest particle of an element is

- a. Molecules b. Atoms c. Compounds d. all of these

5. Which of these is not a standard unit

- a. gram b. meter c. handspan d. second

6. The symbol of iron is

- a. I b. F c. Fe d. Ir

D. Answer the following questions.

1. Define valency in terms of hydrogen.
2. Differentiate between element and compound.
3. State and explain laws of reflection with diagram
4. Draw a well labelled diagram showing the different layers of soil.
5. Write an experiment to show that air exerts pressure in all directions.
6. What is conservation? How does planting trees help in ground water conservation.
7. Why are earthworms called farmer's friend.
8. Differentiate between renewable and non renewable resources.
9. Give the functions of (a) mucous (b) hydrochloric acid in stomach
10. Draw a distance time graph for following data.

Time (in minutes)	4.05am	4.10am	4.15am	4.20am
Distance (in kms)	5	10	15	20

11. Distinguish between real and virtual images along with example of each.
12. A bus takes 4hours30minutes to cover a distance of 270km between New Delhi and Shimla.

Find the speed of the bus in km/hr.

13. Explain the process of digestion in ruminants.
14. Balance the following equations:-
 - (a) $\text{Na} + \text{H}_2\text{O} \rightarrow \text{NaOH} + \text{H}_2$
 - (b) $\text{Mg} + \text{H}_2\text{SO}_4 \rightarrow \text{MgSO}_4$
15. Explain how water is responsible for formation of soil.
16. Describe the eye of a cyclone.
17. What causes tornado to be formed.
18. What causes monsoon wind.
19. What are reasons for lowering of water table in cities.
20. List four methods of conserving water.

Sandeep