

STD-V SCIENCE

ANNUAL REVISION WORK - 4

I. FILL IN THE BLANKS.

1. The _____ is the innermost layer of the earth.
2. The solute and solvent can be separated from each other by the _____ process.
3. _____ is the only active volcano in the Indian subcontinent.
4. _____ is the ability to do work.
5. _____ moving through a wire is called electricity.

II. COMPLETE THE SERIES.

6. Wind energy : Wind :: Hydropower energy : _____
7. WheelBarrow : second class lever :: Plier: _____
8. Excess rain: Flood :: No rain : _____

III. ANSWER THE FOLLOWING QUESTIONS:

9. What will happen if, on a see-saw, one child gets up suddenly? Why?
10. Describe the types of the lever with one example from each.
11. The Stratosphere is a very important layer of the atmosphere. Justify the statements.
12. A bottle of coke or soda should not be left in the freezer for a long time. Why?

ANSWER KEY

II. FILL IN THE BLANKS.

1. The core is the innermost layer of the earth.
2. The solute and solvent can be separated from each other by the distillation process.
3. Barren Island is the only active volcano in the Indian subcontinent.
4. Energy is the ability to do work.
5. Electrical charges (electron) moving through a wire is called electricity.

II. COMPLETE THE SERIES.

6. Wind energy : Wind :: Hydropower energy: water.
7. Wheel Barrow : second class lever :: Plier: First class lever.
8. Excess rain: Flood :: No rain : drought

III. ANSWER THE FOLLOWING QUESTIONS:

9. What will happen if, on a see-saw, one child gets up suddenly? Why?

Ans. As see-saw is a first class lever, the two children keep balance between the fulcrum.

When one of them gets up suddenly, the other one will go down immediately .

10. Describe the types of the lever with one example from each.

Ans: Levers can be classified on the basis of the position of the fulcrum, the load, and the effort.

When the fulcrum is in between the load and the effort, it is a first-class lever. Eg- plier

When the load is in between the fulcrum and the effort, it is called a second-class lever.
eg-wheelbarrow

When the effort is in between the fulcrum and the load, it is a third-class lever.
eg-broom

11. The Stratosphere is a very important layer of the atmosphere. Justify the statements.

Ans: Stratosphere is a very important layer of the atmosphere because it contains the ozone layer which absorbs ultraviolet rays from the sun which causes skin cancer.

12. A bottle of coke or soda should not be left in the freezer for a long time. Why?

Ans. When placed in the freezer, the water in the soda expands inside the bottle, and the volume becomes greater than what the can was designed to hold. This pressure causes the bottle to become strained and to eventually POP when left in the freezer for too long.