

## **STD-V SCIENCE**

### **ANNUAL REVISION WORK - 3**

**CHOOSE THE CORRECT ANSWER.**

1. The word volcano comes from \_\_\_\_\_.  
a.Vulcan    b..vent    c.lava    d.magma
2. Assertion(A): Argon is filled in glass tubes.  
Reason(R): Argon produces a colorful glow in glass tubes.  
a.Both A and R are true and R is the correct explanation of A.  
b.Both A and R are true but R is not the correct explanation of A.  
c.A is true and R is false.  
d.A is false and R is true.  
e.Both A and R are false.
3. We are able to stay on the ground because of  
a.gravitational force.    b. elastic force  
c.buoyant force    d.frictional force
4. The upward push of the water on a floating object is called  
a.buoyant force    b.volume  
C.density    d. pressure
5. Scissors are an example of \_\_\_\_\_ lever.  
a.first class    b.second class  
c. third class    d. None of the above

**GIVE TWO EXAMPLES OF EACH.**

6. Simple machine:
7. Second class lever:
8. Uses of air pressure:

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**CHANGING YOUR TOMORROW**

**ANSWER THE FOLLOWING QUESTIONS:**

9. What is a lever? On what basis are levers classified?
10. Draw a diagram of an activity to show air exerts pressure in the upward direction.
11. Define distilled water. Write the uses of it.
12. Define sedimentation and decantation.
13. How do people suffer in drought-affected areas?

**ANSWER KEY**

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b. vent  
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- a. buoyant force
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5. Scissors are an example of \_\_\_\_\_ lever.

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GIVE TWO EXAMPLES OF EACH.

6. Simple machine: **lever, wheel and axle**

7. Second class lever: **wheelbarrow, nutcracker**

8. Uses of air pressure: **in injection syringe, straw to drink juices**

ANSWER THE FOLLOWING QUESTIONS:

9. What is a lever? On what basis are levers classified?

**Ans. A lever is a rigid rod arranged in such a manner that it can move freely around a fixed point.**

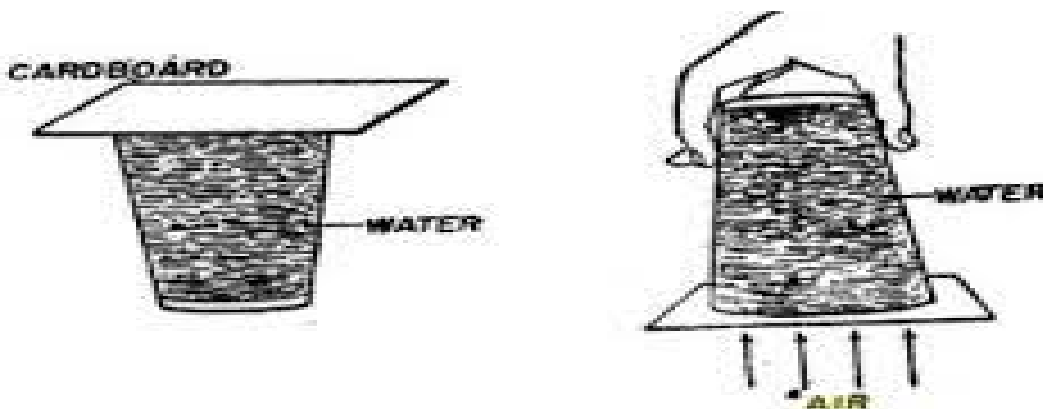
**Levers can be classified on the basis of the position of the fulcrum, the load and the effort.**

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

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

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

**10 . Draw a diagram of an activity to show air exerts pressure in the upward direction.**



**11. Define distilled water. Write the uses of it.**

**Ans: Distilled water is the purest form of water which does not contain any impurities or minerals. It is used in car batteries, science experiments and in medicines.**

**12. Define sedimentation and decantation.**

**Ans: The process of settling down heavy particles present in water is called sedimentation.**

**The process of separation of clear liquid into another container is called decantation.**

**13. How do people suffer in drought-affected areas?**

**Ans- Water is scarce in drought affected areas.**

- When this happens, crops do not grow. As a result many people and animals may die of famine, or lack of food.**
- People have to wait for help to come in the form of food, water and medicines from neighbouring places or international agencies.**



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