

STD-4

SCIENCE

L-12

**WEATHER,AIR AND
WATER**

A. FILL IN THE BLANKS:-



**1 About 71% of earth's surface is covered with
_____.**

Ans. Water

**2. Rain,hail,snow and sleet are examples of
_____**

Ans. Precipitation

3. Filtration can be used to remove _____ impurities from dirty water.

Ans Visible

4. Evaporation takes place faster at _____ temperature.

Ans High

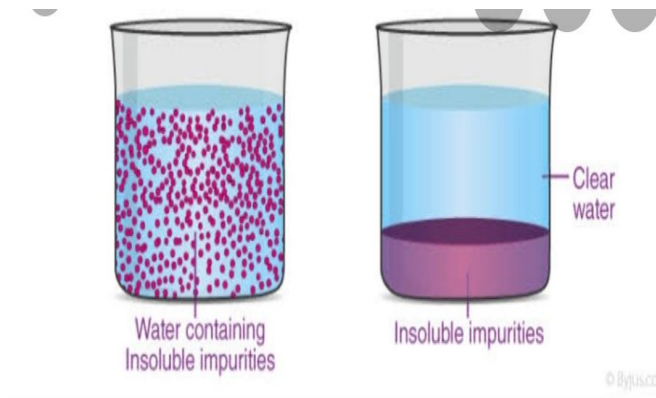
5. Oxygen, carbon dioxide and nitrogen are some of the gases present in the _____.

Ans Air

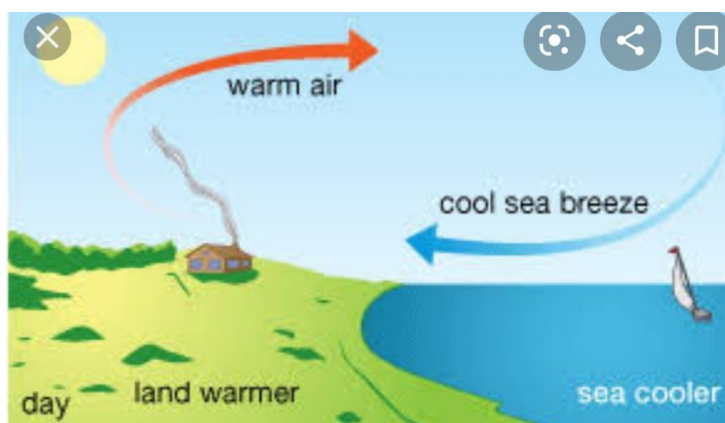
B. ANSWER THE FOLLOWING IN ONE WORD:-



1. The process of change of water into water vapour due to the heat of the sun-
EVAPORATION



**2. Setting down of impurities at the bottom in a tumbler containing impure water-
SEDIMENTATION.**



3. The breeze that blows from the sea towards the land-SEA BREEZE.



4. Precipitation in which big balls of ice fall down to the ground. HAIL STONES.

5. Addition of chlorine to kill germs. CHLORINATION.

C. ANSWER THESE QUESTIONS.

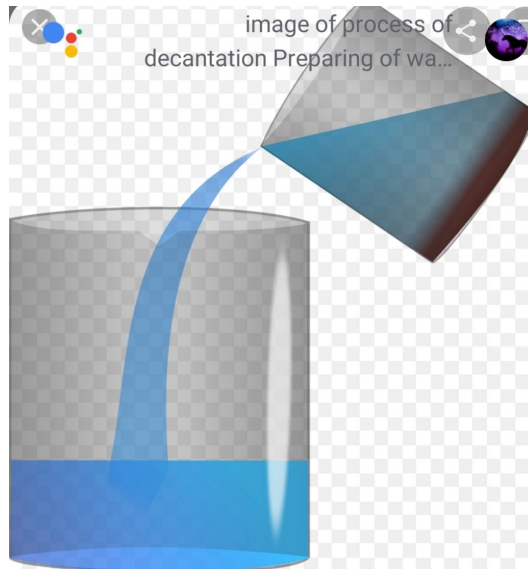
Q.1 Why should tap not be left running while brushing or shaving?

Ans. Taps should not be left running while brushing or shaving to save water.

Q.2 Why does warm air rise up?

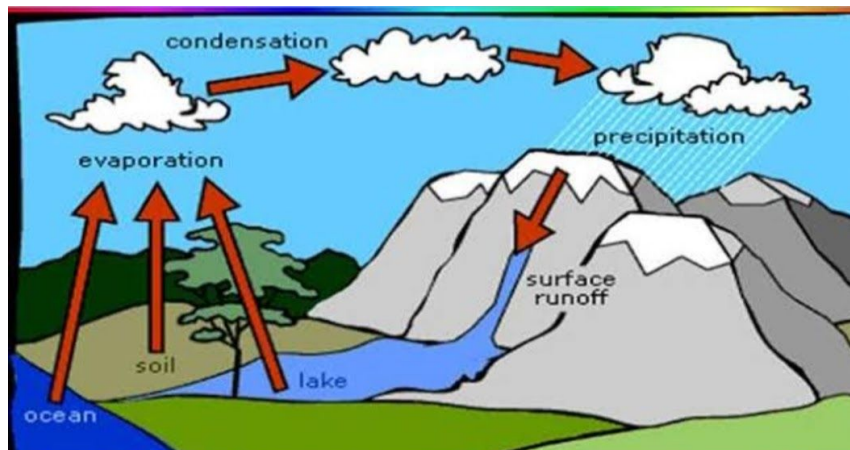
Ans. Warm air rises up because it is light in weight.

Q.3 What is decantation ?



Ans. The process of pouring water very slowly into another container without disturbing the settled impurities is known as decantation.

Q.4 Name the processes that take place in water cycle .



Ans Processes that take place in water cycle are:-

Evaporation

Condensation

Precipitation

Q.5 How does a filter paper help in purification of water?

Ans. *Filter paper helps in purification of water as it does not allow visible impurities of water to pass through it .

*** Water obtained after filtration may contain germs in it.**

Q.6 How does snow formed ?

Ans. When clouds become very cold , water vapour condenses to form ice crystals instead of water drops .These crystals fall down as snow.

Q.7 What are hail stones ?

Ans. When raindrops pass through very cold air ,they freeze into big balls of hard ice .These balls of ice fall to the ground as hailstones.

Q.8 What causes wind to blow ? Explain

Ans. The sun causes wind to blow .

*** The different areas of the earth are heated differently by the sun.Some get heated more than the others.**

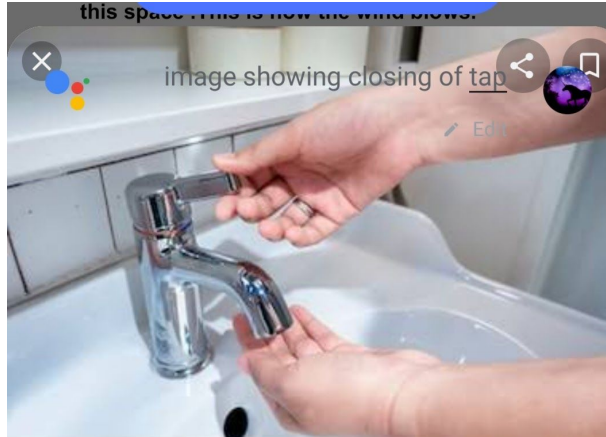
***The area which is heated more has warmer air .**

*** As warm air is lighter , it rises up leaving an empty space below it .**

*** The cooler air being heavier moves in to fill this space .This is how the wind blows.**

Q.9 State four ways by which we can save water?

Ans. Four ways to save water are;

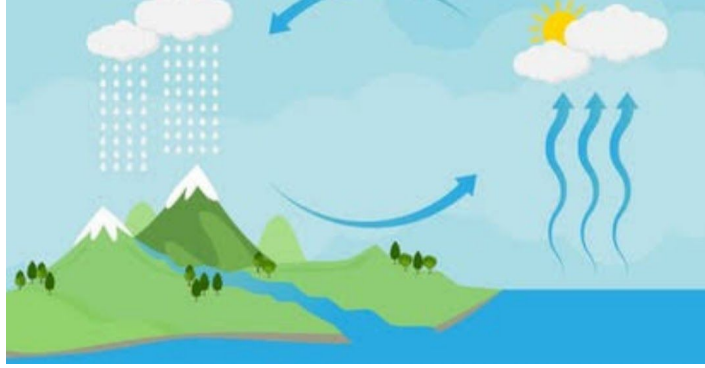


***Taps should not be left running while brushing or shaving.**



- * Water used in kitchen for washing fruits and vegetables can be reused for watering plants.**
- * Use bucket and mug while taking a bath.**
- * Repair any leaking pipes or dripping taps.**

Q.10 .Explain water cycle .



Ans.* The heat of the sun evaporates water of the water bodies and changes it into water vapour .

*** Water vapour rises up in the sky and cools.**

***After condensation vapour condenses into tiny droplets of water to form clouds .**

***As much as drops are collected the clouds become heavy and water drops fall down as rain .**

*** This continuous movement of water in various form in nature is known as water cycle.**

Paste/ draw the picture showing sea breeze and land breeze

Draw water cycle and name the processes involved in it.