

Activity Number- 14

Evaporation

Class :VI

Subject: Science

Duration – 2 hours

Nature of activity : Individual

Learning Outcome : Students will be able to

-**appraise** that water is essential for the survival and growth of plants and animals.

- **analyse** the rate of evaporation with different temperatures.

What I have to do ?To observe the rate of evaporation with different temperatures.

What I require ? Two plates , a measuring jar and some water.

What I already know ?Water from water bodies such as rivers, lakes , seas , ponds , lakes and streams, takes heat of the sun and goes into the air in the form of water vapour. The process of changing water (liquid form) into water vapour(gaseous form) is called evaporation of water.

Teacher's Activity: Teacher will

(1) ask students to take two similar plates and fill water in it.

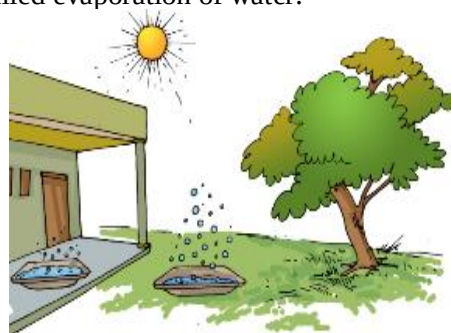
(2) place one of the plates in sunlight and other in shade.

How will I proceed ?

Student's Activity :Students will

(1)Pour an equal amount of water in each plate with the help of a measuring jar

(1) Observe the two plates after every 15 minutes.



What have I observed :

S.No	Case	Plate kept in sunlight	Plate kept in shade
1	Time taken by water in the two plates to disappear		

What have I learnt ?

1.The water in the plate kept in direct sunlight disappears first because_____

2.During daytime , the heat given out by the sun make the air _____.This _____air provides heat for the evaporation of water in the shade.

3._____ (Evaporation/Condensation) takes place from all the open surfaces during daytime due to the heat of the sun.

What I would be interested / curious about ?:Does the rate of evaporation faster during rain ?

Extended learning worksheet

A.Tick the correct option :

1.The solid state of water is _____.

(a)ice

b) steam

(c)water vapour

d)water droplets

2.The process of changing water into steam is_____.

(a)evaporation

b)filtration

(c)condensation

d)sedimentation

3.The process by which excess water is released by plants into the air as water vapour is called

(a)evaporation

b)transpiration

c)condensation

d)sedimentation

4.Which of the following affects the rate of evaporation ?

a)temperature

b)wind

c)humidity

d)all of these

2.How will you , as an individual ,help to conserve water? Give four ways.

3.What are the different factors which affect the rate of evaporation ?
