

TENDER HEART HIGH SCHOOL, SEC-33B, CHD.

Class: III

Subject: Science

Topic: Water

Date: 28.10.2024

Good Morning students

This lesson is for class III, Topic - Water as a resource from your book "Srijan ICSE Science" and is being submitted to you on 28.10.2024

Water - An important natural resource. Nature gives us water through the rain. It helps us to stay alive.

Change in the state of water

Freezing - When water is kept in a freezer, on cooling, water changes into solid ice at 0°C . This process is called freezing.



Melting - When solid ice is kept out of a freezer in a warm place, it changes into liquid water.



Evaporation - When water is boiled till 100°C , it changes into water vapour. This process is called evaporation.

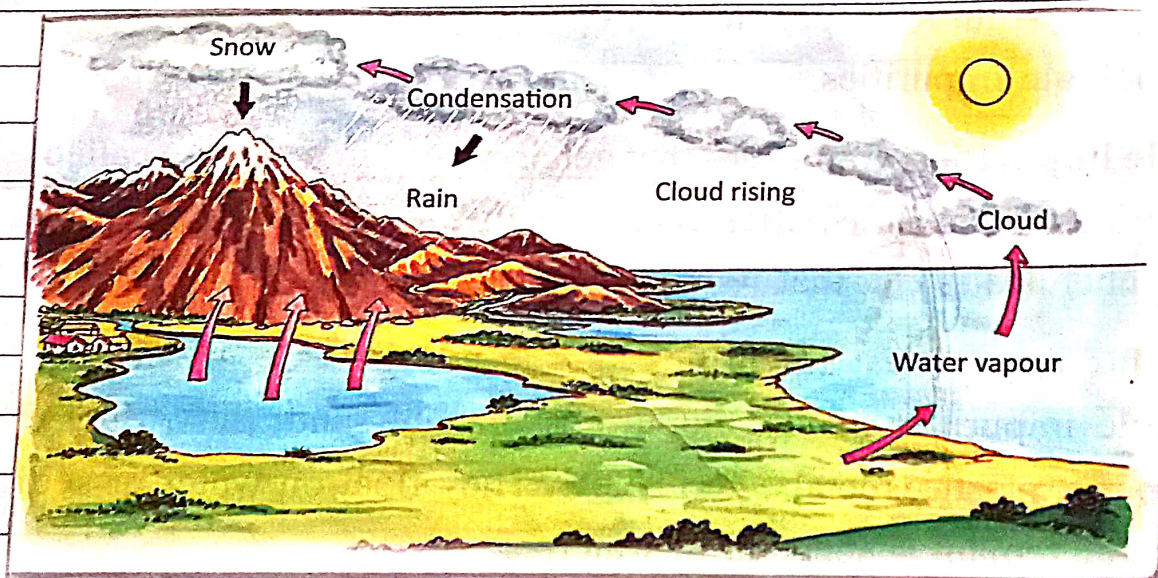


Condensation - When water vapour is cooled, it changes back into water. This process is called condensation.



Water cycle

The sun heats the water present in the oceans, seas and lakes. As a result water evaporates. On reaching high up, it cools down and condenses to form water droplets.



As more and more water vapour is added to these clouds, the water droplets become bigger and heavier. Finally these droplets fall down in the form of rain. This is called water cycle. It continuously goes on in nature.

Water impurities

When unwanted things add to water, the water gets polluted. This is called water pollution.

Causes of water impurities

- Many gases get dissolved in water from air when it rains.
- Harmful chemicals and germs get into water when waste water from factories is mixed with the water of rivers.

Purification of water

It is needed that impure water is purified before use. Some common methods of purifying water are as follows:

Sedimentation and decantation

The process of settling down heavy insoluble impurities in water is called sedimentation. The process of separating clear water from the sediments is called decantation.

Filtration

The process of separating out insoluble impurities from water by using a filter is called filtration.

Boiling

Boiling kills the germs present in water.

Home - assignment

Collect information related to different ways to conserve water.