

28.03.2020

CONQUERING SCIENCE

VI

**Water Cycle**

The water cycle

Takes the water and moves it  
up and down and all around the earth.

Evaporation comes

When the heat from the sun.  
warms up all the grounds water  
Then it turns to water vapour.

Condensation takes over

Its goes up to the clouds  
water vapour cools down.

Precipitation happens

when the drops get big  
It falls like Rain, snow and hail upon my  
head

I know it's the water cycle happening  
again.

Evaporation, Condensation, Precipitation.

1. Why dirt is formed in our eye while sleeping?

Ans: Scishow has revealed that the mysterious eye gunk is actually a buildup of mucus, bacteria, dust and dead skin cells – that collect in the cornea of your eyes when you sleep. Basically, when we're awake each blink wipes away the build of mucus, bacteria and dust – keeping eyes fresh.

2. Why do we have two eyes?

Ans: The main reason for having two eyes instead of one is that after closing both eyes the world looks flat that is two dimensional, and if you keep open two eyes the world takes the three dimensional of depth. Because our eyes are separated by a few distance or cms, each eye sees a slightly different image.

3. Why do we have black hair?

Ans: Hair colour is pigment of hair follicles due to two types of melanin named eumelanin is present the hair darker if less eumelanin is present the hair is lighter. Levels of melanin can vary overtime causing a person's hair colour to change and it is possible to have hair follicles of more than one colour on the same person. Particular hair colours are often associated with ethnic groups, while grey or white hair associated with age.

4. Why do parts of our body fall asleep?

Ans: This is caused by the compression of nerves between a bone and another hard object or hindrance in blood circulation. This happens when we are in the same position for some time. When the nerve is under pressure or there is less blood circulation, nerve signals don't reach the brain. Changing position removes the pressure and nerve signals flood the brain. Hence the tingling sensation in the body part which has fallen asleep.

5. Why do people snore?

Ans: Snoring is yet another effect of gravity. While sleeping, gravity pulls the uvula piece of flesh at the top of our throats and other soft tissues which partially block the airway to the lungs. When we inhale, air rushes in through the narrow opening and makes the soft parts of our mouth vibrate. This makes us snore.

Q1. Fill in the blanks choosing the correct options :-

- Opposite of evaporation is \_\_\_\_\_.(melting / condensation )
- \_\_\_\_\_ is a luminous object .( moon / star )
- The \_\_\_\_\_ is a good reflector . ( carpet / aluminum foil)
- Change of state occurs with change in \_\_\_\_\_. ( time / temperature )
- Object that is transparent is \_\_\_\_\_. ( box / glass)

Q2. Name the following :-

- Boiling temperature of water \_\_\_\_\_
- Change from liquid to gas is \_\_\_\_\_
- Change from liquid to solid is \_\_\_\_\_
- State of matter that is highly compressible . \_\_\_\_\_
- Scientific name of steam is \_\_\_\_\_

Q3. Answer the following in one line :-

- What is condensation?
- What forms the rainbow colours in clouds ?
- What colours make white light ?
- When do we get to see a solar eclipse ?
- What is the use of periscope for sailors ?

Q4. Do as directed :-

- Differentiate between boiling and evaporation ( 2 points )
- Differentiate between good and bad reflectors ( 2 points )
- What is meant by reflection of light ? state the law of reflection .

## Name the Parts of the Food Web

- Producers \_\_\_\_\_
  - Primary Consumers \_\_\_\_\_
  - Secondary Consumers \_\_\_\_\_
  - Decomposers \_\_\_\_\_
  - Herbivores \_\_\_\_\_
  - Carnivores \_\_\_\_\_
  - Omnivores \_\_\_\_\_
  - Scavengers \_\_\_\_\_
- (Most animals fit in more than one category)

