

ANSWER KEY

You can find your answers on our classroom webpage!

Water Cycle Study Guide

1. Question: What is the main source of energy for the WATER CYCLE?

Word bank: earth sun moon evaporates condenses freezes falls

Answer: The **sun** is the main source of energy for the water cycle. It causes water to **evaporate** into gas. The gas **condenses** into clouds, and then **falls** down to Earth as rain, sleet, snow, etc. (precipitation)

2. Question: How is the water changing during each of these processes condensing, evaporating, freezing, melting? (Words to use: solid liquid gas)

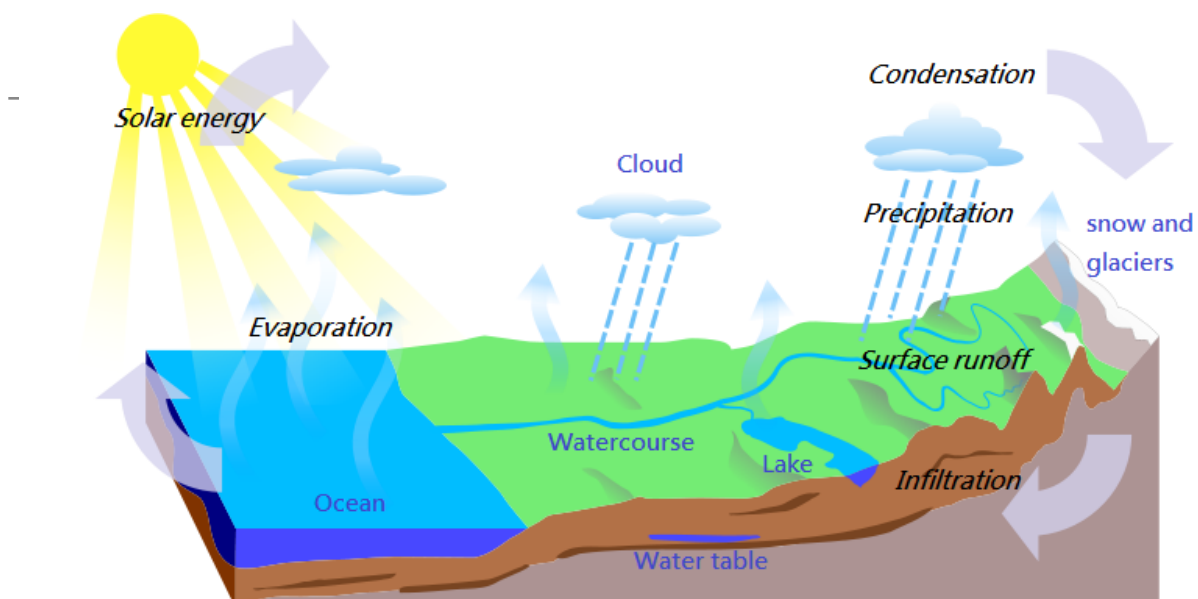
Answer:

Condensing = **gas** to liquid water

Evaporating = **liquid** to water vapor (gas)

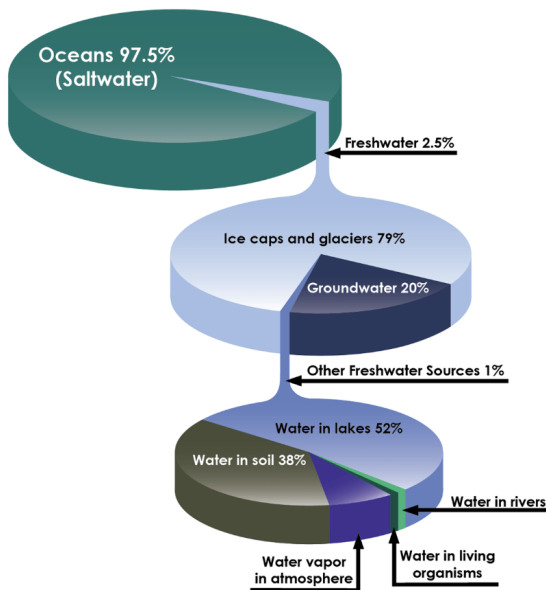
Freezing = liquid water to **solid**

Melting = solid water (ice) to **liquid**



3 Question: How is Earth's water distributed all across Earth?

(Note: you don't need to memorize this, but you should know how to interpret graphics like this) You should know that MOST of the water on earth is salt water.



4 . Earth's water is made up of **97.5** saltwater and **2.5** freshwater. Of the freshwater, **79 %** of it is made up of ice caps/glaciers, **20%** is groundwater , and only 1% is **other freshwater sources**. . Most of the freshwater is found in **lakes** . The rest of the freshwater is **water in rivers**, **water in soil**, **water in the atmosphere** , and **water in living organisms**.

