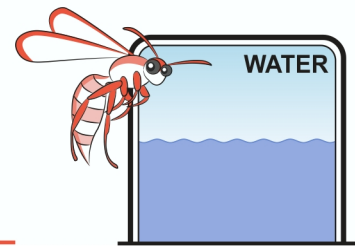


The Water Cycle – Student Activity



Watch the WASP animation 'The Water Cycle' – available at <https://www.youtube.com/watch?v=b6YrP47CbGk> or by Googling ESWA and following the links. Then read the questions below before watching the animation again, to answer them.



Which limited resource could you and dinosaurs both have shared?

Do you think that it is possible that some of the water molecules in your body may have been breathed out by a dinosaur?

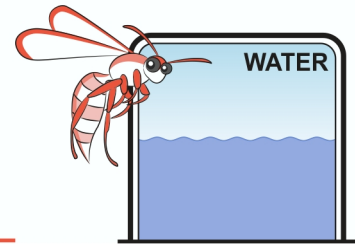
Why do plants and animals need water?

What atoms are needed to make one molecule of water?

Draw a diagram of a water molecule (don't forget to label!) showing its atoms and bonds:

Approximately how many molecules of water would it take to make one drop of water?

The Water Cycle – Student Activity



Fill in the blanks below to finish the facts about the water cycle:

The water cycle describes how water moves through the _____,
_____ and _____.

Heat from the Sun causes _____ water to _____ from rivers,
lakes and oceans and it becomes a gas called _____.

As the gas rises, it _____ and _____ to create _____.

Water returns to the ground as solid _____ and _____ or liquid
_____ and sinks into the earth.

Below the ground it forms _____ where water is held between grains in rock
layers, _____ and _____.

Where aquifers intersect or cut the surface of the ground the liquid water flows out to form
_____, _____ and _____.

Differences in elements, such as oxygen, can be used to estimate the _____ and
_____ of water.

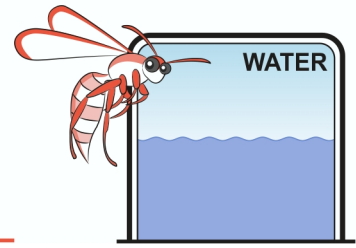
A process is an event or series of events that cause a change to occur. Some processes that
occur in the water cycle are listed below:

Condensation Transpiration Absorption Penetration Evaporation

Please place the correct process in the correct place in the paragraph below:

_____ of liquid water turns it to water vapour. On rising into the atmosphere
and cooling, _____ returns it to a liquid to create clouds. The water falls
back towards the ground as rain, hail or snow. It _____ the soil and is
_____ by plant roots. _____ by plants returns water to the
atmosphere.

The Water Cycle – Student Activity



Draw a simple flow chart of the complete water cycle using these same words: