

## Did a dinosaur drink the same water as me?

The earth has a limited amount of water and so the water that we use has been recycled many, many times. In fact, it has been recycled so many times that some of the molecules in the water we drink may have been the water that the dinosaurs drank millions of years ago!

So how does this work?

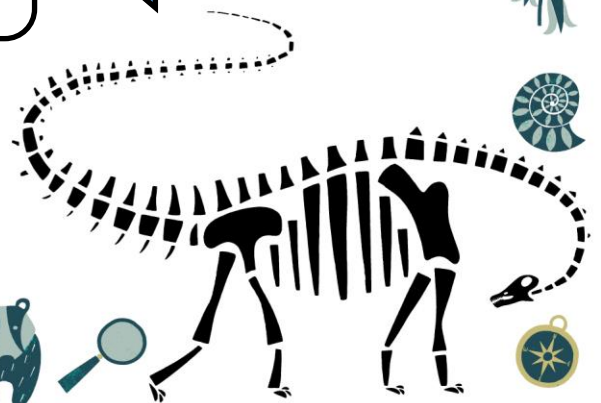
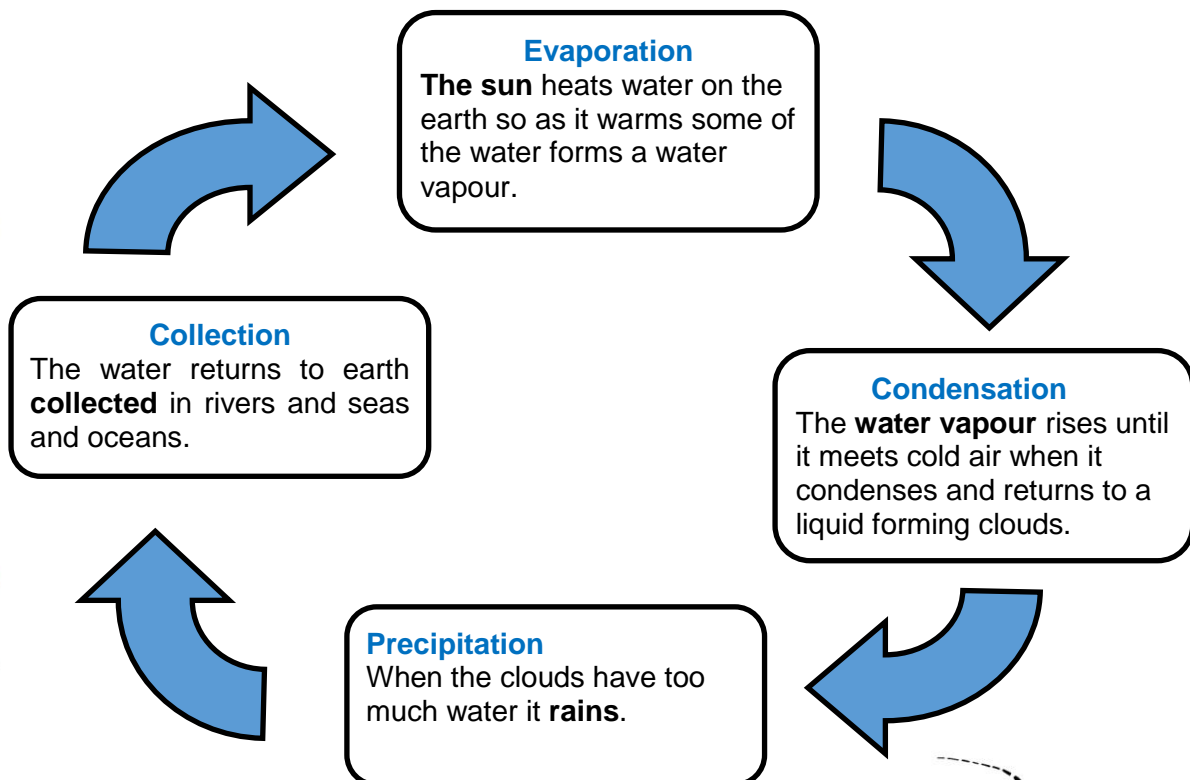
**The Sun** heats water on the earth so that as it warms some of the water forms a water vapour. (EVAPORATION)

The **water vapour** rises until it meets cold air when it condenses and returns to a liquid forming clouds. (CONDENSATION)

When the clouds have too much water it **rains**. (PRECIPITATION)

The water returns to earth **collected** in rivers and seas and oceans. (COLLECTION)

And once the water has collected in the rivers and the seas the **sun** heats up the water and the whole cycle begins again!





You can make your own mini water cycle and see how this works.

**You will need:**

- Large clear bowl or container
- Cup or container (needs to be shorter than the bowl so that it stands inside and can be covered without touching the lid)
- Clear lid or covering for the bowl
- Water

**Instructions:**

1. Pour water into the large bowl until it is about 1/3 full.
2. Stand the cup or beaker inside but make sure that none of the water is inside it.
3. Cover the bowl with a clear lid.



4. Place somewhere warm or in the sun.
5. Watch as the water rises to the lid and then falls down. Some of it will be collected in the cup and some will fall back into the water.

