

Water

All you want to know about water!



No. 3
In the

Early Readers Series

Water

Produced by Lilibette's Resources

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Water

Water is part of the **water cycle** that keeps our planet Earth watered and so that life can exist.

Over half of the world is covered with water.



Where does water come from?

The hot sun shines on the earth.

The water is heated and turns into a gas that we cannot see.

We call it **water vapour**. We say that the water has **evaporated**.



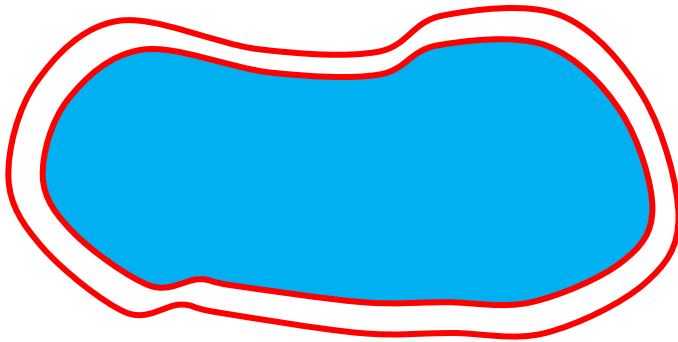
Understanding evaporation

One day when it has been raining and stopped, find a puddle and draw around it with a piece of chalk. Every few hours, draw around it again. Eventually it will disappear. Where has the water gone?

That's right! It has

evaporated

(i va por ray ted).



Hot air rises.

As it goes higher into the sky the evaporated water gets cooler and cooler until it is cold enough to turn back into water.

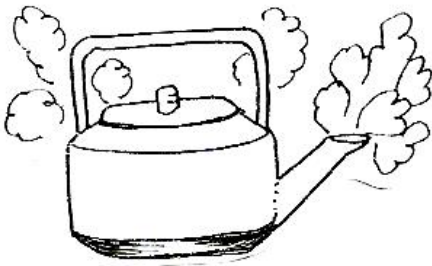
We call this **condensation** (say **con den say shun**).

The water droplets or ice-crystals make clouds.



Understanding condensation

Ask an adult to help you to boil a kettle. When the steam is coming from the spout, hold a cold plate about 30cm from the spout. Watch it start to

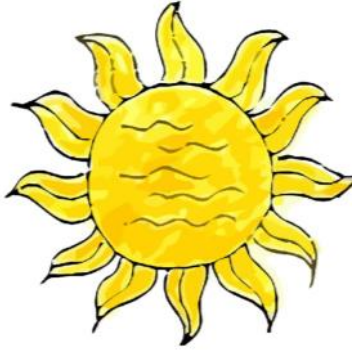


What is happening? The kettle has heated the water and turned it into a gas called **water vapour**. The water vapour hit the cold surface of the plate and was cooled. It turned back into water. We call this **condensation**.

Eventually the water droplets
in the clouds get too heavy
and they begin to fall as rain,
snow, hail or sleet.

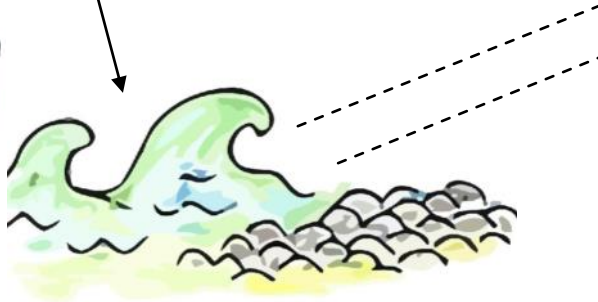
Then it all begins again! The
sun shines and dries up the
water from the earth.



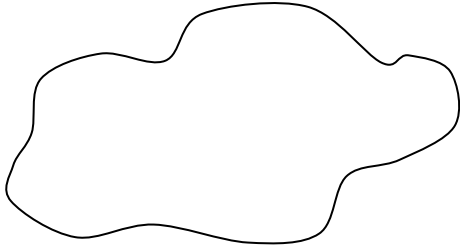


The hot sun
shines on the
earth.

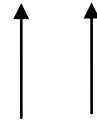
The water droplets
in the clouds become
too heavy for the air
to hold them and
they fall as rain,
snow, hail or sleet.



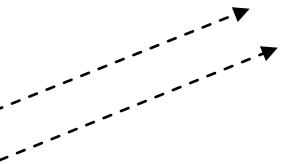
The water droplets
form clouds.



The water vapour
rises and then cools
back into water
(condensation).



The water is heated and turns
into a gas which we call **water
vapour**.



The rain waters our earth,
filling ponds, rivers and
streams and the sea and
watering the plants so that
they can grow and giving us
water to drink.



Different types of precipitation

(pre sip i tay shun)

Precipitation is the name we give to the different forms of water that come from the clouds. When the water droplets fall from the clouds, they do not always fall as water. They may fall as snow, sleet, drizzle or hail.



Snow

Snow is made when tiny ice crystals in the clouds stick together and make snowflakes. When they are heavy enough they fall as snow.

It might snow if it gets very cold.



Sleet

Sleet is snow that has started to melt as it falls to the ground.

Hail

Hail is solid precipitation that looks like little balls made of ice. Hail comes from thunderstorm clouds (cumulonimbus).

What does water do?

There is no life without water.

Rain falls on the leaves of plants cooling them and washing the dust away.



Rain falls on the earth and sinks in. Roots take water

from the earth into the plants
to give them life and help them
to grow.



Animals also need water to drink.



We need water to drink, or we will not be able to live.





Water is fun!

We can swim in water.



We can sail in water.



We have fun playing with water!



Water is beautiful.

When ever there are water droplets in the air and light shines from behind at the right angle then a rainbow is formed.

