

Look at all of the slides.  
Think about what is  
happening in the pictures?





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Discuss with your  
talk partner...

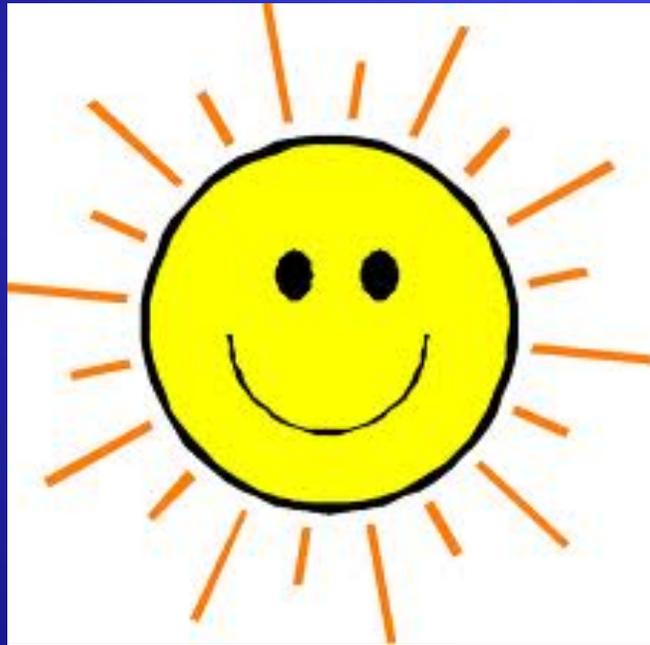
**2 MINUTES!**

# Evaporation.

Evaporation is the changing of a liquid into a gas. Evaporation happens all around us without us knowing it. A puddle on the road which begins to 'disappear' is evaporating.



Evaporation happens at a faster rate by the temperature being warmer and by the air moving more quickly in a breeze.



You can see evaporation taking place when a kettle boils, steam is the gas coming from the water. Sometimes you can see steam rising from the road or the playground after it has rained, this too is evaporation.



Other examples of evaporation include warm-air hand driers, blowing on ink to dry it and washing drying well on a sunny breezy day.





When water heats up, it turns into **water vapour**. Once water becomes water vapour, it can easily move up to the Earth's atmosphere.

# WATER

## Lesson 1

I can plan an investigation to test a statement.

**Statement:** Water evaporates faster in warm places.

**How will you prove this?** Use the INVESTIGATION sheet below to plan your investigation.



If water (liquid) is heated, it changes to water vapour (gas). This change is called **evaporation**.

If water vapour (gas) is cooled down, it changes into water (liquid). This change is called **condensation**.

**Lesson 2** I can make observations and give reasons for my observations.



## Make It Rain YOU MUST HAVE AN ADULT TO HELP YOU

**Equipment:** clean empty jar ( no lid)  
small ceramic plate/saucer  
4 ice cubes  
jug of hot water

**Method:**

1. Pour 5cm hot water into the jar.
2. Put the plate, face up, on top of the jar.
3. Wait 3 minutes.
4. Put the ice cubes on the plate.
5. Record what happens.
6. Explain why you think this happened.

You could also:

- Do two separate experiments at the same time. Have all the variables controlled except for the temperature of the water. Have one hot and one cold. How does it affect the experiment?
- Try using a paper plate instead of a ceramic plate. Which one worked better? Why?

**Lesson 3** **NOW** find out about the WATER CYCLE . Draw a diagram then make a flow map to explain this process.

You can find a song here: <https://www.youtube.com/watch?v=TWb4KIM2vts>

You can find a video here: <https://www.youtube.com/watch?v=al-do-HGuIk>