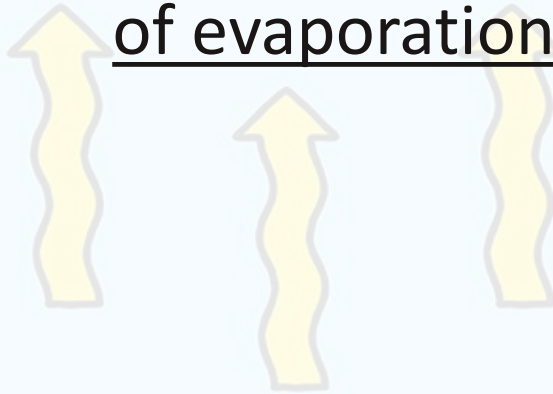


Tuesday 12th January

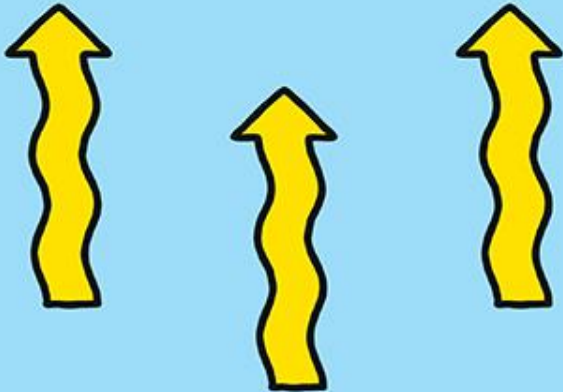
What is evaporation?

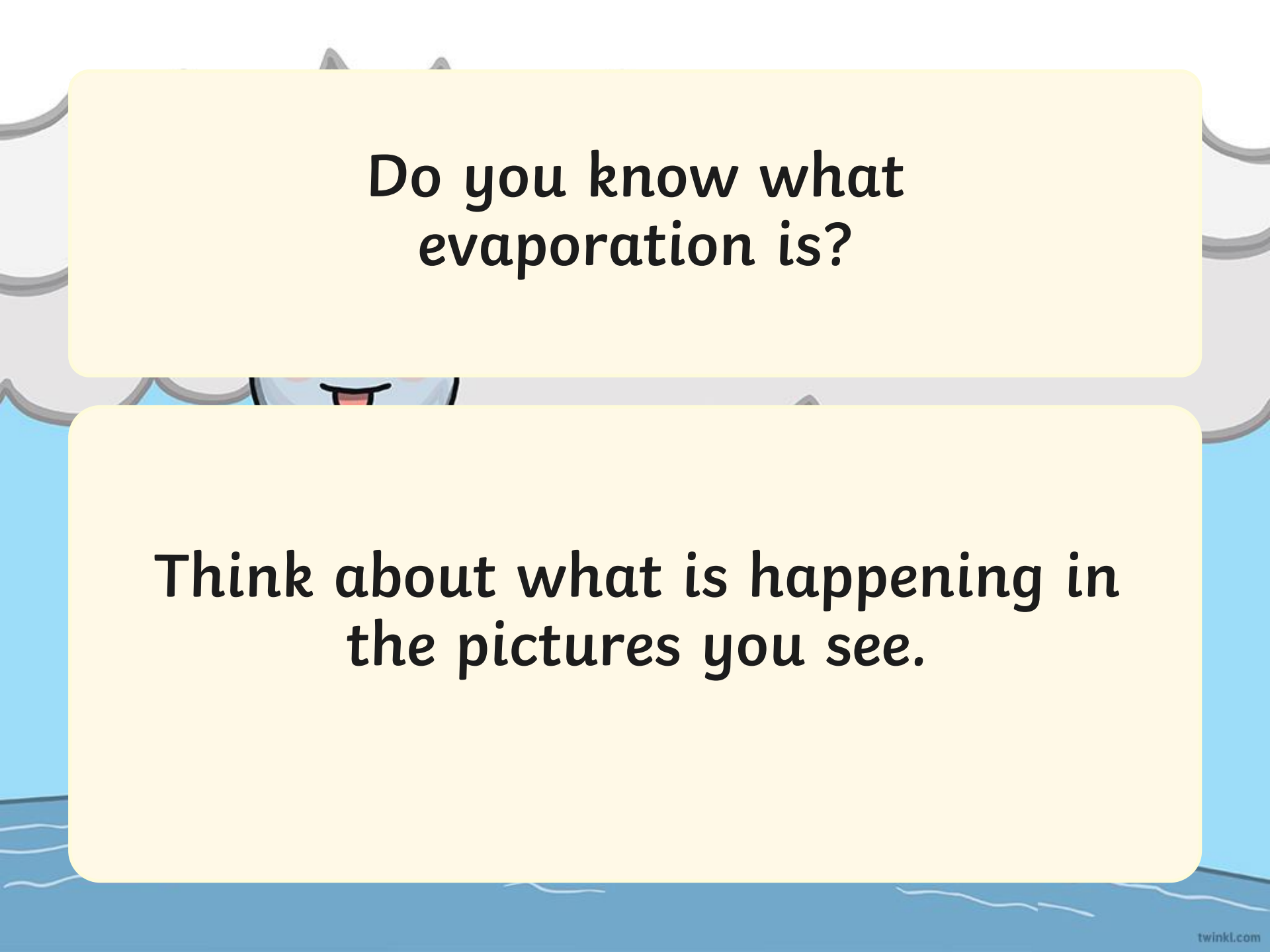
- Identify the part played by evaporation in the water cycle and associate the rate of evaporation with temperature





Evaporation





**Do you know what
evaporation is?**

**Think about what is happening in
the pictures you see.**



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Evaporation Science Shorts Animation (twinkl.co.uk)



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 begins to 'disappear' as it is evaporating.



Photo courtesy of Webb Zahn (@flickr.com) - granted under creative commons licence - attribution

Evaporation happens at a faster rate by:

The temperature being warmer.



Photo courtesy of gr33n3gg and Rusty Clark (@flickr.com) - granted under creative commons licence - attribution

The air moving more quickly in a breeze.



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Evaporation is when a liquid changes into a gas. It occurs on the surface of a liquid at any temperature. This is a very slow process and different to boiling, in which bubbles form in the liquid before it turns to vapour.

If we left a kettle for a very long time, the water would eventually evaporate. If we switched it on, it would very quickly boil.

We can sometimes see steam rising from the ground after it has rained. This too is evaporation.



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Other examples of evaporation include:

- Warm-air hand dryers
- Blowing on ink to dry it
- Washing drying well on a sunny breezy day
- Hair dryers

Can you think of any other examples?



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When water heats up, it turns into water vapour.

Once water becomes water vapour, it can easily move up to the Earth's atmosphere.



Task

Write a paragraph to explain the process of evaporation. Give examples of evaporation.

Key words to include

- Evaporation
- Water vapour
- Liquid
- Gas
- Condensation

Evaporation Multiple Choice Quiz ([twinkl.co.uk](https://www.twinkl.co.uk))

