

Tuesday 2nd February 2021 - Science 1







WALT: Identify the different parts of the water cycle

Watch these 2 clips about the water cycle.

<https://www.bbc.co.uk/bitesize/topics/zkqg87h/articles/z3wpp39>

Sing along - <https://www.youtube.com/watch?v=TWb4KJM2vts>

Word bank

Precipitation		When water vapour cools and turns into clouds
Condensation		Rain, hail, sleet and snow that falls from the clouds
Evaporation		When the sun heats up water from the leaves of trees.
Groundwater flow		When the water runs off the surface of the ground.
Surface run-off		When water flows through the rocks and soil underground.
Transpiration		When the sun heats up water from the sea and it goes into the air.

Task 1: Draw and label your own water cycle diagram.

Task 2: Fill in the gaps to show how much you know about Evaporation and condensation in the Water Cycle.

Evaporation is the changing of a into a gas.

Evaporation happens all around us without us it.

A puddle on the road which begins to is evaporating.

Evaporation is sped up by the temperature being and by the air moving more quickly in a .

You can see evaporation taking place when a kettle boils, is the gas coming from the water.

Sometimes you can see steam rising from the road or the playground after it has this too is evaporation.

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

Condensation is the opposite of It is the changing of a into a liquid. This happens when the of a gas drops to a certain point.

Examples of condensation are breathing onto a cold surface which makes it go 'misty' and when kitchen windows get steamed up if someone is cooking.

Missing Words.

knowing	warmer	rained	temperature	blowing	steam
Breeze	disappear	liquid	evaporation	gas	drying

Cross off these missing words as you use them

Answers to task 2

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 is sped up 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.

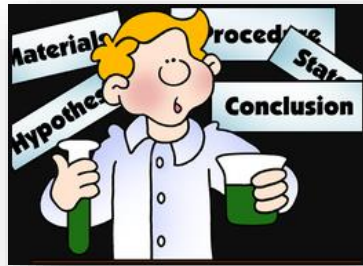
Sometimes you can see steam rising from the road or the playground after it has rained, this too is evaporation.

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

Condensation is the opposite of evaporation. It is the changing of a gas into a liquid. This happens when the temperature of a gas drops to a certain point.

Science - Thursday 4th February 2021

WALT: Investigate whether some liquids evaporate quicker than others and why this happens.



<https://www.bbc.co.uk/bitesize/topics/zkgg87h/articles/zydxmnb>

Can you find out:

- If all liquids evaporate?
- If some liquids evaporate quicker than others?

Here is an example of an investigation you could do:

- Step 1 - Measure the same amount of water, oil and vinegar and salty water into 4 separate dishes.
- Step 2 - Put all the dishes in a warm place such as on a window sill by a radiator.
- Step 3 - Measure how much liquid is left every morning and afternoon
- Step 4 - Fill in a chart to show the results.

Task:

Step 1 - Plan your investigation. It does not have to be the same as the example above.

Step 2 - Predict what you think will happen

Step 3 - Explain how you are going to make this a fair test.

Step 4 - Carry out your investigation.

Step 5 - Record what did you discovered?

You can present your ideas however you would like - photographs, graphs, observation sheet etc. On the next page are a few examples of how you might want to show this

Experiment:

Purpose: I wonder...

Hypothesis: I think...

Procedure:

Conclusion: I learned that...

Materials:

Results:



	White Granulated Sugar	Light Brown Sugar	Powdered Sugar
Day 1			
Day 2			
Day 3			
Day 4			
Day 5			
Day 6			
Day 7			

