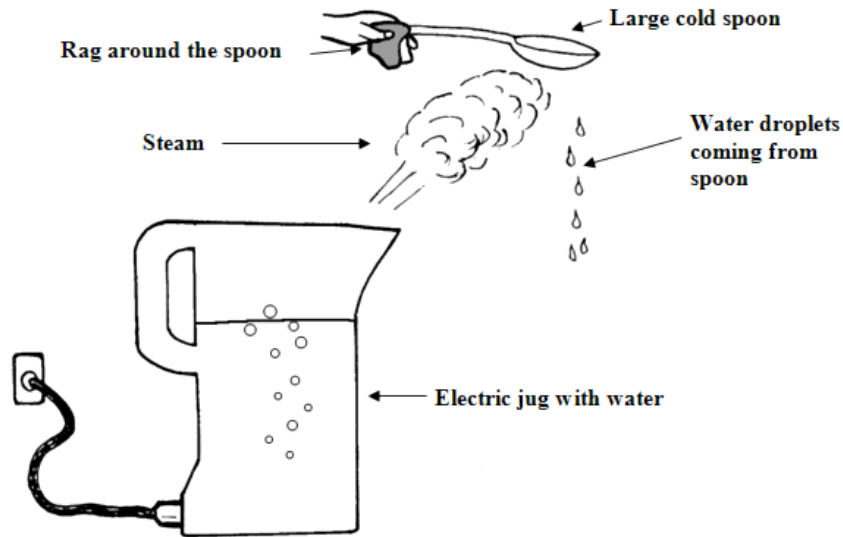


Investigating the water cycle

Sam was investigating the water cycle. He set up an experiment. When the water in the jug was boiling he got a large metal spoon that had been in the freezer for an hour and put it in the steam.



- a) What are the bubbles in the jug?
- The bubbles are air.
 - The bubbles are heat.
 - The bubbles are oxygen or hydrogen.
 - The bubbles are water vapour.
- b) Draw a line to match each part of Sam's experiment with the part of the water cycle it is showing. One name under "Part of water cycle" is not needed.

Part of Sam's experiment:

- Water droplets from spoon •
- Heating element in jug •
- Water in jug •

Part of water cycle:

- The sun
- Rain
- Oceans
- Clouds

- c) In some ways Sam's experiment is like the real water cycle and in other ways it is different. Think carefully about each statement in the chart below. If you think the statement is true, circle T, if you think it is false, circle F, if you are not sure, circle Don't know.

		Real water
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	Experiment	cycle
The water evaporates.	T F Don't know	T F Don't know
The water must be hot.	T F Don't know	T F Don't know
Rain falls in the same place where the water evaporated.	T F Don't know	T F Don't know
Condensation needs a cold place.	T F Don't know	T F Don't know
We can't always see water.	T F Don't know	T F Don't know