

Water Cycle Board Game

Use your knowledge of the water cycle to play this board game with your friends or family!

Preparation

You will need 1 counter per player and a 1-6 dice.

Cut out each of the question cards, the Sun cards and the counters.

Place the cards in five piles in the centre of the board, according to their symbol.

Place the counters on the 'Start' square.

How to Play

Each player takes it in turn to roll the dice and move around the board.

If you land on a square with a symbol, an opponent takes a card with a matching symbol.

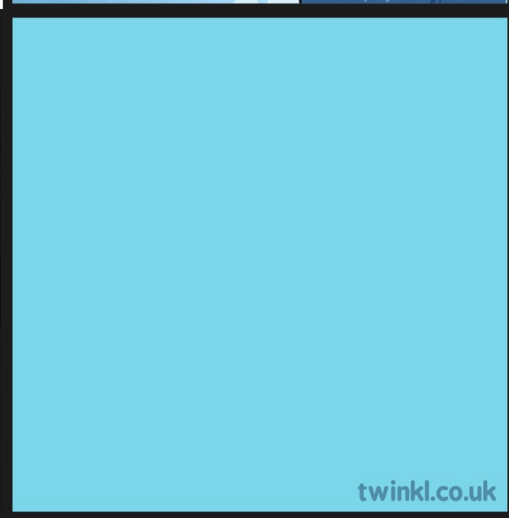
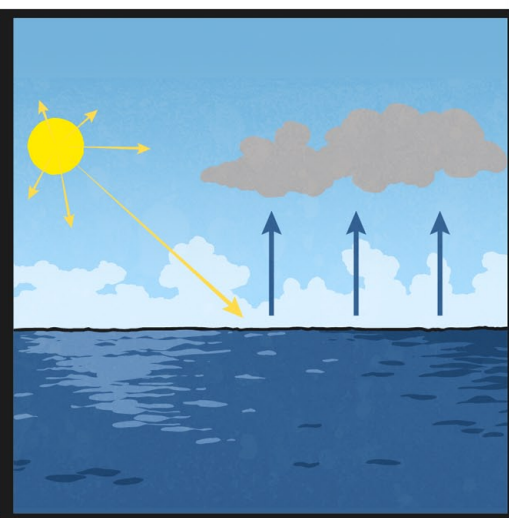
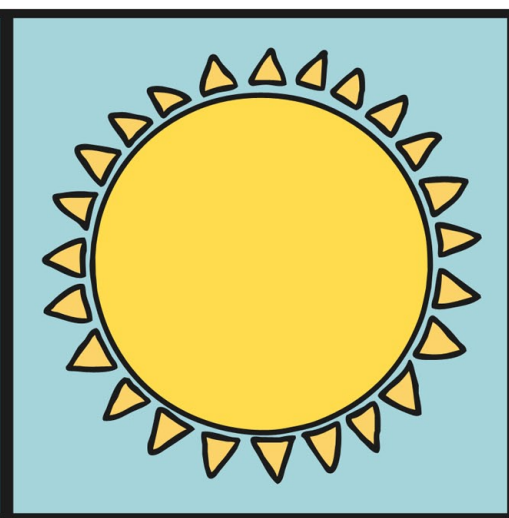
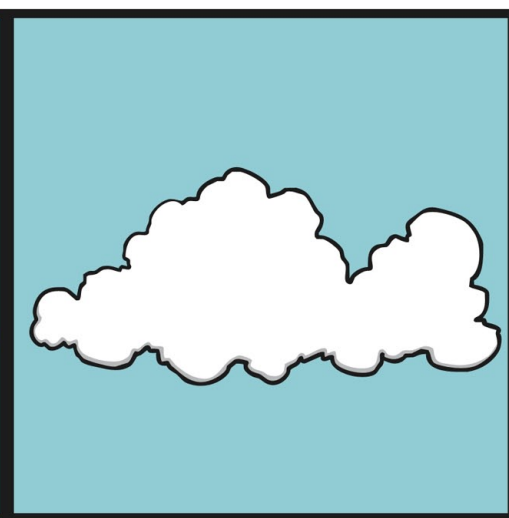
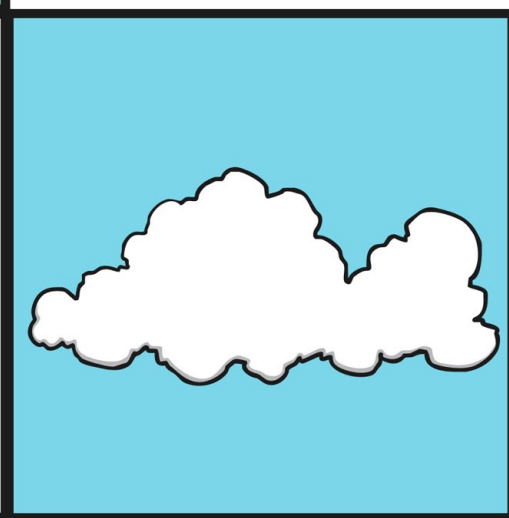
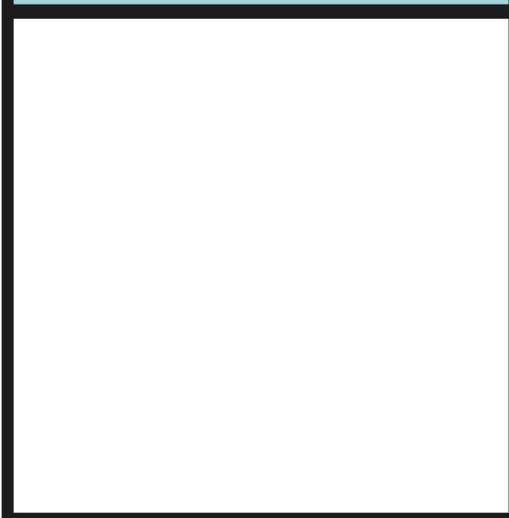
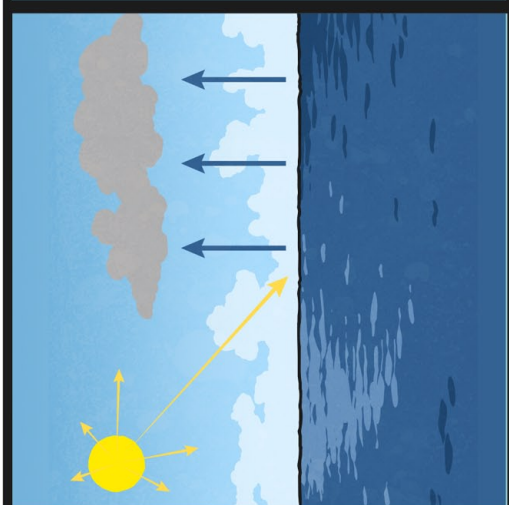
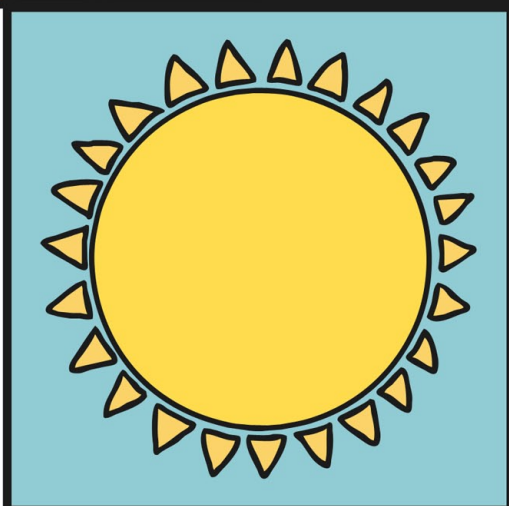
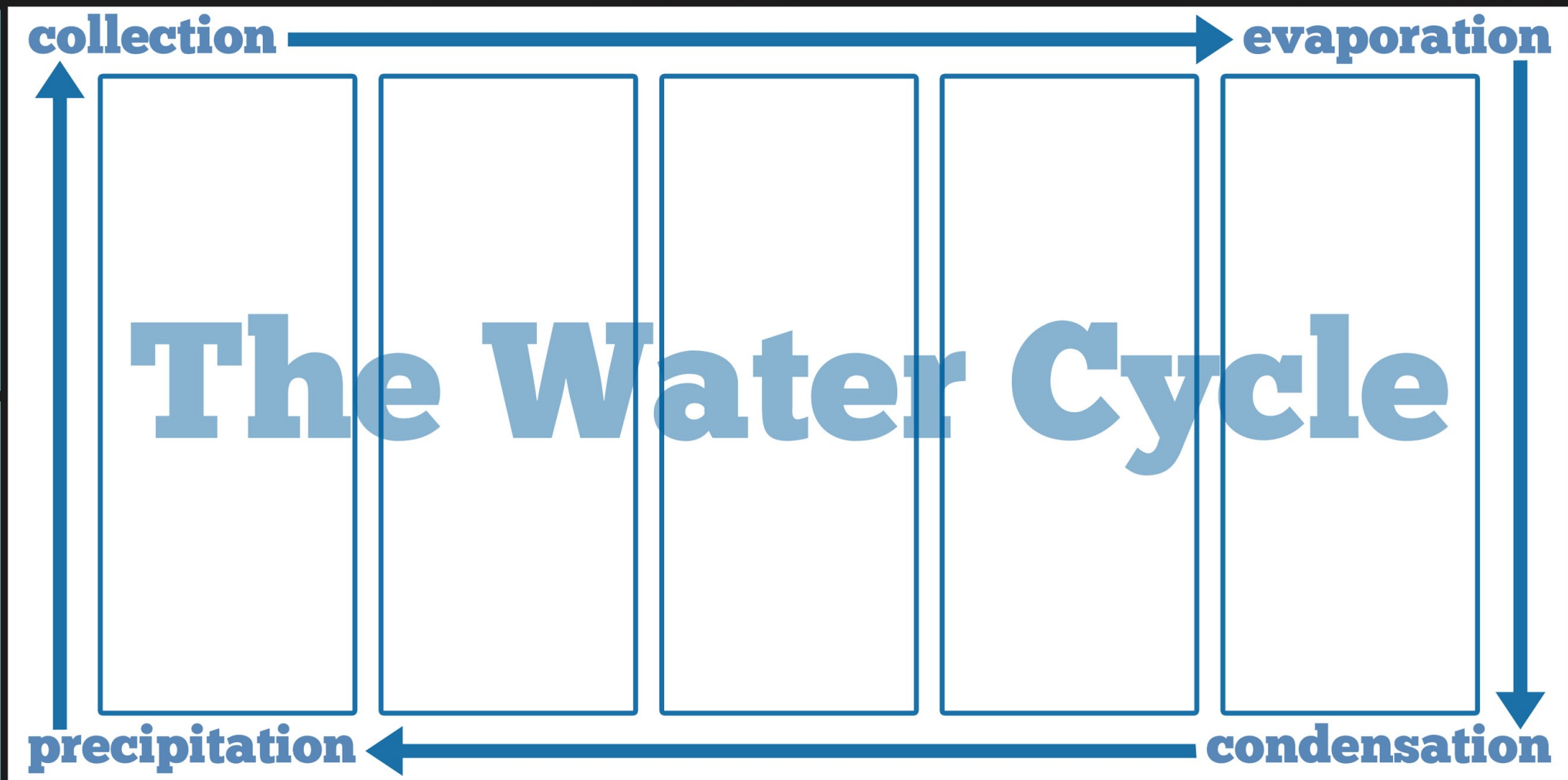
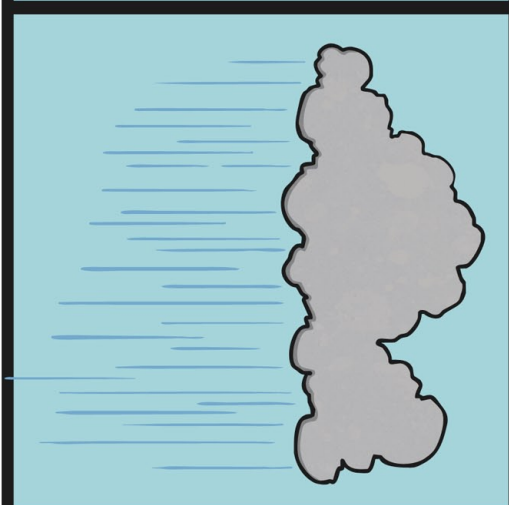
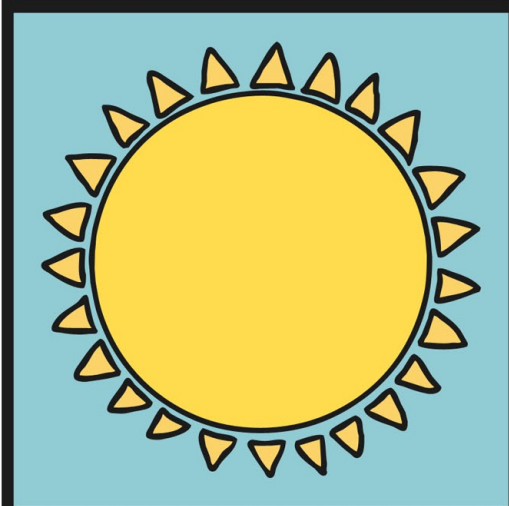
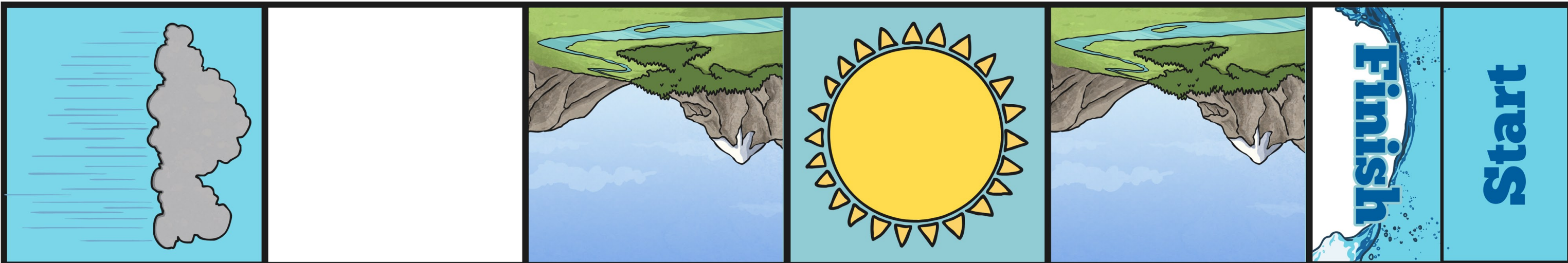
The opponent reads the question to the player, who tries to answer the question on the card.

Check the answers are at the bottom of the cards.

If you are correct, you are still in the game! If you are incorrect, you must miss a go.

If you land on a square with a Sun, take a Sun card and follow the instructions.

The winner is the player who gets back to the start first!





What happens to water that falls as snow once it has reached Earth?

It will eventually melt into liquid water, then either be evaporated, absorbed underground or run over the ground into rivers, lakes or oceans.



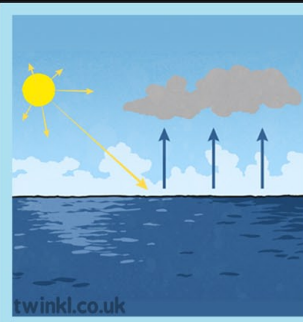
Water can fall on the oceans. How else does water collect in the oceans?

It travels there in streams and rivers.



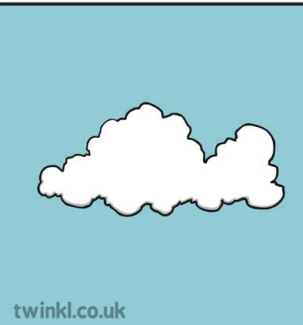
Why does water eventually fall from the clouds?

As the droplets of water clump together and cool down, they get bigger. Eventually they are too big for the air to hold, so they fall down to Earth.



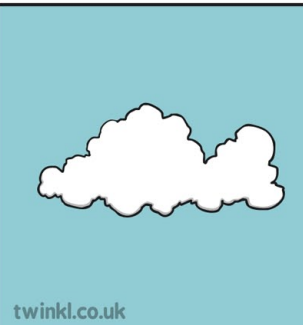
What does a liquid turn into when it evaporates?

A gas.



What does a gas turn into when it condenses?

A liquid.



When water vapour has condensed into liquid water, can it change back to water vapour again?

Yes. If the water evaporates it will change back into water vapour.



Water that falls on the ground can be absorbed underground, or evaporated. What else could happen to it?

It can run over the ground and collect in rivers, lakes or oceans.



Around what temperature does it need to be to snow?

The heaviest snow falls tend to be between -2°C and 2°C.



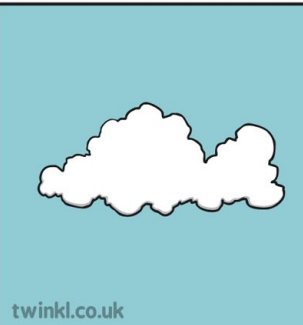
Rain is a form of precipitation. Can you name two other forms?

Snow, sleet or hail.



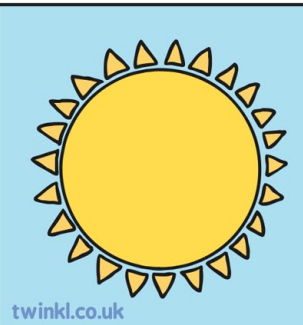
Does water need to be boiling to evaporate?

No. Water will evaporate at room temperature or lower.



Does a gas have to cool down or heat up to condense?

Cool down.



Go back to the Start.



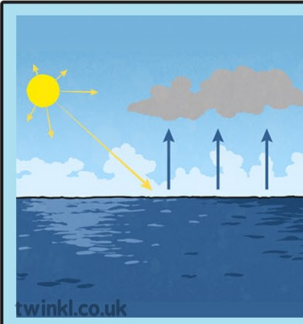
What happens to water once it has been collected in oceans, rivers or lakes?

It is evaporated again.



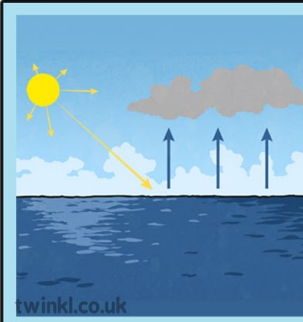
What is precipitation?

Water in any form falling from the sky.



What is the boiling point of water?

100°C



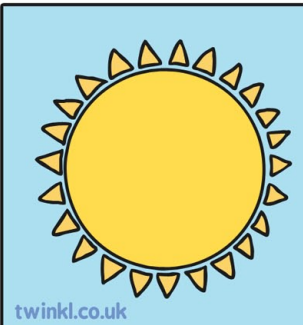
How does temperature affect the speed of evaporation?

The hotter the temperature, the faster the water will evaporate.

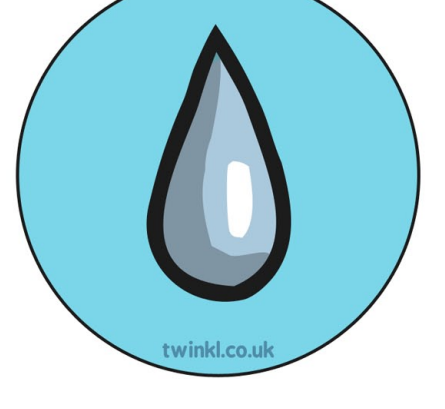
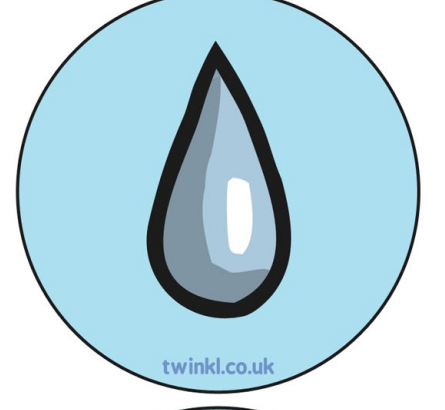
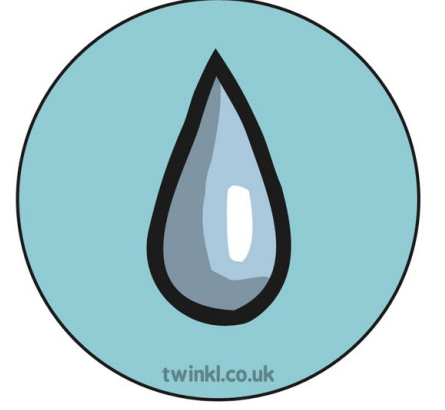


How does condensation cause clouds to form?

When water vapour condenses, the tiny droplets of water clump together to form clouds.



Move a player of your choice to any space.





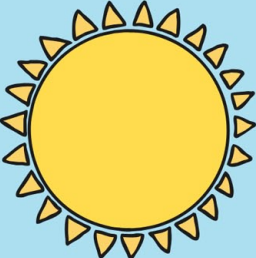
Swap two players' counters.

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Go back one space.

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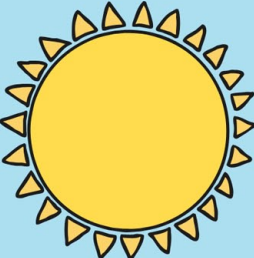
Go forward two spaces.

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Swap your own counter with another player's counter.

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Go back two spaces.

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Go forward one space.

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Evaporation

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Condensation

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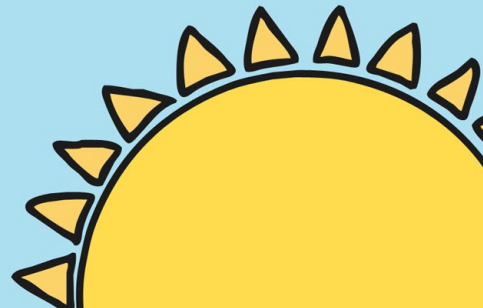
Precipitation

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Collection

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