

# Year 4

## States of Matter



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**Why do liquids evaporate at different rates?**

# Equipment required for experiment

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- Water
- Beakers
- Measuring Cylinder



# Why do liquids evaporate at different rates?

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Find out if liquids will evaporate at different rates due to different factors.



# Why do liquids evaporate at different rates?

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We want to find out if liquids evaporate at different rates due to different factors.

Try to think how we can find out.  
Talk with your friends and see if you can come up with an idea.

## Your ideas

Tell the rest of the class your idea for your investigation and decide who in the class has the best idea.



# Why do liquids evaporate at different rates?

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Make a prediction

I think the factors that make a liquid evaporate are -



# Why do liquids evaporate at different rates?



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- Put the same amount of water in two beakers and leave one in a warm place and one in a cold place. Record the amount of water over a period of time.
  - Put the same amount of water in a beaker and a measuring cylinder and put them in the same place. Record the amount of water over a period of time.
  - Put the same amount of water and nail varnish remover into two beakers and leave in the same place. Record the amount of liquid over a period of time.

# Why do liquids evaporate at different rates?

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Do we need to do the experiment more than once and if so why?



# Why do liquids evaporate at different rates?

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What now?

Try different liquids and put them in order of fastest evaporating to slowest evaporating.

