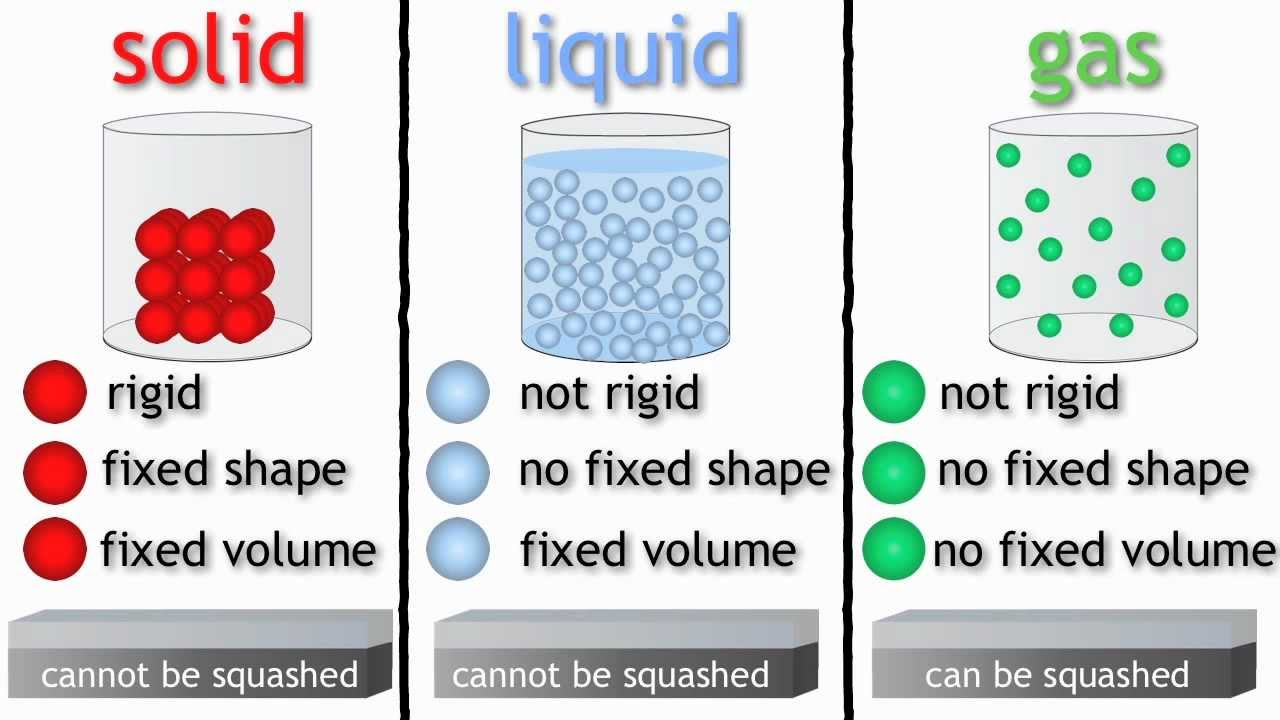
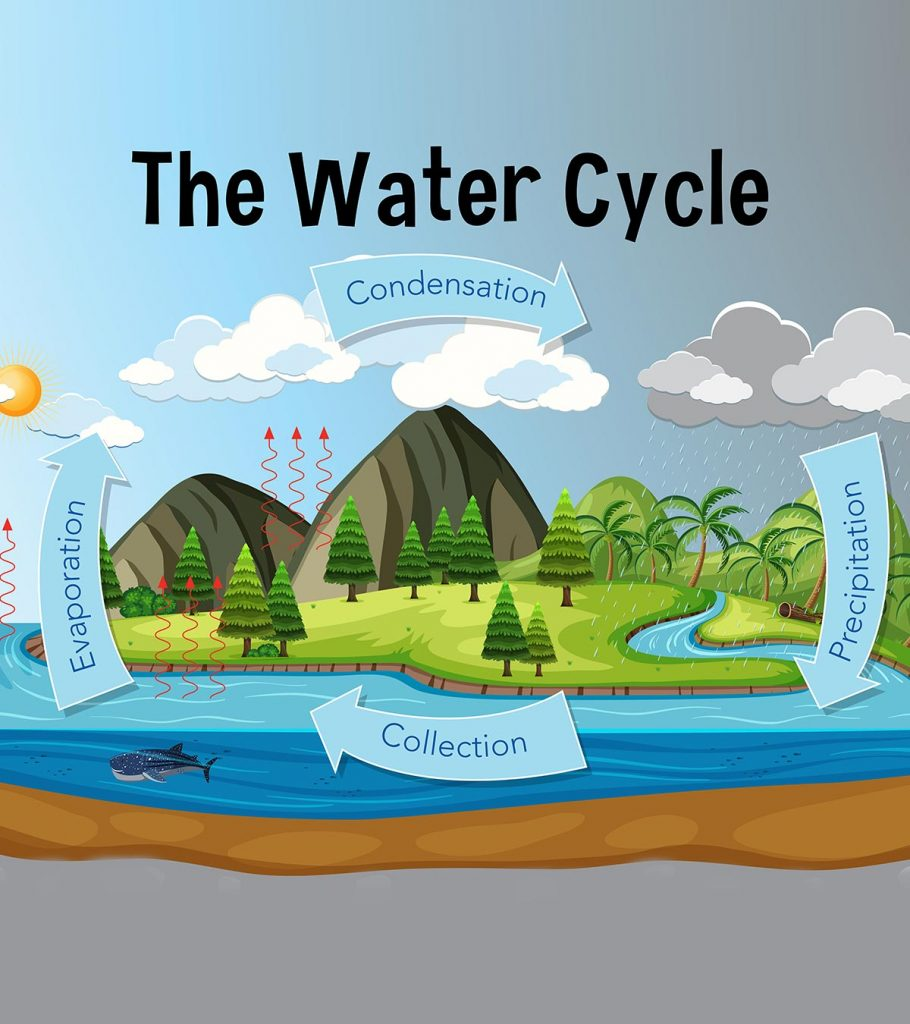
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| Year Group: | 4 | Subject: | Science |
| Term: | Autumn 1st Half | Topic: | States of Matter |

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| Links to Previous Learning |  | What you should know: |
| Ice is a solid and melts into water. |  | Compare and group materials together, according to whether they are solids, liquids or gases. |
| Water is a liquid and can boil into steam. |  | Observe that some materials change state when they are heated or cooled. . |
| Steam is a gas. |  | Measure the temperature at which some materials change state in degrees Celsius (°C). |
| Water can freeze back into solid ice. |  | Explain the Water Cycle including evaporation and condensation. |



What is the relationship between temperature and states of matter.?

**Key Fact**: solids, liquids and gases are the 3 states of matter. All substances can change their state: solid > liquid > gas.



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| Key Vocabulary | |
| solid | fixed shape; firm and stable; not a liquid or gas |
| liquid | able to flow freely; like water or oil; no fixed volume |
| gas | able to flow freely; will fill a space |
| evaporation | the process of turning from liquid into vapour |
| condensation | a vapour or gas turning into a liquid |

At home:

Draw and explain the water cycle to a grown up.

Investigate-always, sometimes or never: gases are lighter than solids?