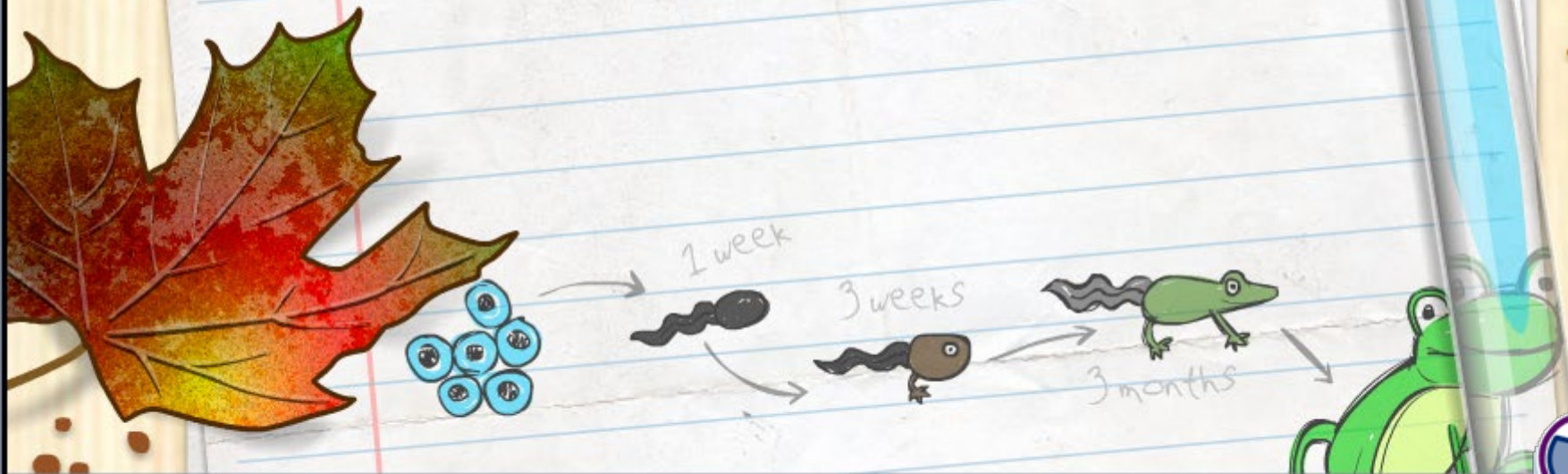


Changing State



Changing state



All matter in the Universe comes in one of three states:
solid, **liquid** or **gas**.

A solid is rigid. Its shape and **volume** do not change.



A liquid changes shape to fit its container. However, its volume is always the same.

Gas spreads out to fill any space.



Matter can change from solid to liquid to gas and back again.
This is known as **changing state**.



Changing state



Changing state



Changing state



Changing state



Have you ever noticed what happens to the mirror in your bathroom when you have a bath or a shower?



This is an example of **condensation**.

Hot water evaporates to become water vapor (a gas).

When the water vapor touches a cold surface, such as a mirror, it cools down and turns back into a liquid. It **condenses**.

The mirror is covered by lots of tiny droplets of water.



Changing state



Changing state



Changing state

