

## Year 4 Condensation - Fact File

**We see condensation all around us**, this happens when water vapour (i.e. water that has evaporated and turned into gas) is converted back to water.



**Think about** the bathroom when you've had a bath or a shower, your mirror or other surfaces may condensate! The water is warm and some of the water goes through an evaporation process: It evaporates into the atmosphere (similar to when we cook vegetables on the cooker or a kettle boiling, we can see some of the water changing into steam rising from the pot or bath).



**Condensation is created** when this evaporated water hits surfaces that are cooler than the water, as they are not heated to the same temperature as the water is.



*Condensation forming on a mirror.*

**This means** that the water vapour "landing on it" is also now cooled down. It now forms tiny droplets of water, which then collate (i.e. mix together to make a bigger and bigger droplet of water) until eventually the drop is so big, it drops down, (runs down) the mirror or other surface.