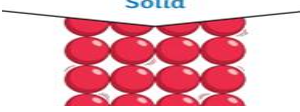
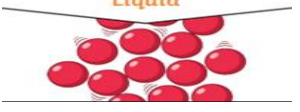



## Year 4 – The Water Cycle

### What should I know already?

- **Great Britain** is an **island** – it is surrounded by **seas**: Irish Sea, North Sea & English Channel
- There are different water features found on the Earth such as lakes, oceans, seas and rivers.
- There are rivers in our local area.
- Science – solids, liquids and gases

### Three states of matter

Solid	Liquid	Gas
		
Particles in a solid are close together and cannot move. They can only vibrate.	Particles in a liquid are close together but can move around each other easily.	Particles in a gas are spread out and can move around very quickly in all directions.

### Types of flooding



**fluvial** – lots of rainfall

**pluvial** – heavy rainfall cannot drain away quickly enough

**coastal** – high tides and storms

**plumbing** – broken pipes in buildings

### Vocabulary

<b>water cycle</b>	The water cycle is the journey water takes as it moves from land to sky and back again.
<b>precipitation</b>	A deposit on the earth of hail, mist, rain, snow
<b>infiltration</b>	The process by which water on the ground surface enters the soil
<b>evaporation</b>	The process of turning from liquid into vapour
<b>condensation</b>	The conversion of a vapour or a gas to liquid
<b>rivers</b>	A large natural stream of water flowing in a channel to the sea, a lake or another river
<b>streams</b>	A small narrow river
<b>clouds</b>	A visible mass of condensed watery vapour floating in the atmosphere

Be careful what you throw down the toilet or sink.

Don't leave litter on beaches.

Use environmentally friendly household cleaning products.

**Reducing pollution**

Have more plants in the garden to stop contaminat water running into the

Don't over use fertilisers or pesticides.

### Process of treating water

1. Water is stored in reservoirs to allow solids to settle at the bottom.
2. Chemicals are added to help remove small particles.
3. Water passes through gravel and carbon to filter out tiny particles.
4. Chlorine is added to kill off bacteria.
5. Water is clean and safe to drink.