

# Science Puzzles 10-11

## The State of Matter



Definition	What's the word?	Answers
Something made of only one substance, is said to be _____.		pure
When a solid dissolves in a liquid, a _____ is formed.		solution
A hot liquid, bubbling with gas is _____.		boiling
Solid water.		ice
When a gas is cooled to form a liquid, it is said to _____.		condense
When a solid has been mixed with a liquid to form a solution, it has been _____.		dissolved
The most common liquid on Earth.		water
A device that can be used to separate solids from liquids, like chalk dust from water.		filter
When two or more different substances are mixed together a _____ is formed.		mixture
The note put on a chemical bottle to warn of any dangers.		hazard label
Changing from a liquid to a gas, for example, when a puddle dries up.		evaporation
The physical state of matter with no shape or volume. Air is one and so is helium.		gas
The gaseous state of water.		steam
The physical state of matter with no shape but with a set volume. Water is one and so is petrol.		liquid
The physical state of matter with a set shape and volume. Rocks and ice are two examples.		solid
When a liquid is cooled so much it turns into a solid, it is said to _____.		freeze
When a solid is heated so much it turns into a liquid, it is said to _____.		melt
The physical process of moving things in a circle with a spoon or stick.		stirring
When a solid dissolves in a liquid to form a solution, the solid is said to be _____.		soluble
When a solid will not dissolve in a liquid to form a solution, the solid is said to be _____.		insoluble

Teacher's notes - Use this resource sheet in a number of ways:

1. As a worksheet/assessment sheet - Cut off or fold back the answers. Ask the pupils to identify each definition then check their answers against the answer strip.
2. As a reference sheet - Encourage the pupils to use the definitions and answers to design their own crossword or wordsearch on squared paper.