

Year 2 Autumn 2 Knowledge Organiser Muck, Mess & Mixtures- Art & Science

Solids and liquids

Some materials can be solids or liquids.

A solid stays in one place and can be held.

Some solids can be squashed, bent, twisted and stretched. Wood, metal, plastic, play dough and elastic are solids.

A liquid moves around easily and is difficult to hold in your hands. Liquids take the shape of the container in which they are held. Water, juice, milk, washing up liquid and bubble bath are liquids.

Melting

Some materials melt when they are heated. Melting changes a solid into a liquid. Chocolate melts when it is heated.



Freezing

Some materials freeze when they are cooled. Freezing changes a liquid into a solid. Water freezes at zero degrees Celsius (0°C).



Mixtures

Mixtures are made by mixing different solids and liquids. For example, water, salt, flour and yeast are mixed to make bread dough.

Solids can be mixed with solids. For example, muesli is a mixture of oats, seeds and dried fruit.



Liquids can be mixed with liquids. For example, cordial can be mixed with water to make squash.



Sometimes, liquids don't mix with other liquids. For example, oil does not mix with water. The oil floats on top of the water.



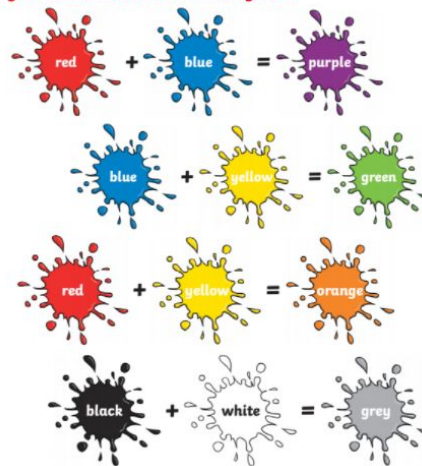
Solids can be mixed with liquids. For example, clay can be mixed with water to make a runny clay called slip.



Some solids dissolve when mixed with liquids. When a solid dissolves, it looks like it has disappeared but it is still there. For example, sugar dissolves in water.



Colour Mixing



Vocabulary

Celsius	A unit to measure temperature.
diet	The food and drink that a person or animal eats regularly.
dissolve	When a solid mixes with a liquid and can't be seen anymore.
float	To stay on the surface of a liquid.
freeze	To change a liquid into a solid by cooling.
liquid	Something that can be poured easily, takes the shape of its container and can't be held.
melt	To change a solid into a liquid by heating.
mixture	A substance made by mixing solids and liquids.
solid	Something that stays in one place and can be held.
substance	A solid, liquid, powder or gas of a particular kind.