

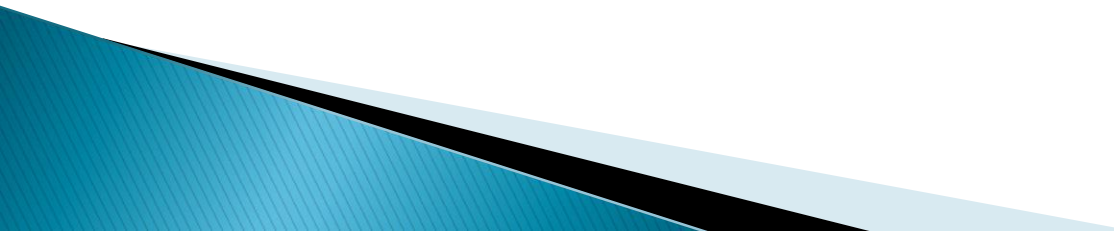
Unit 2: Mixing materials

2.1 Solids, liquids and gases

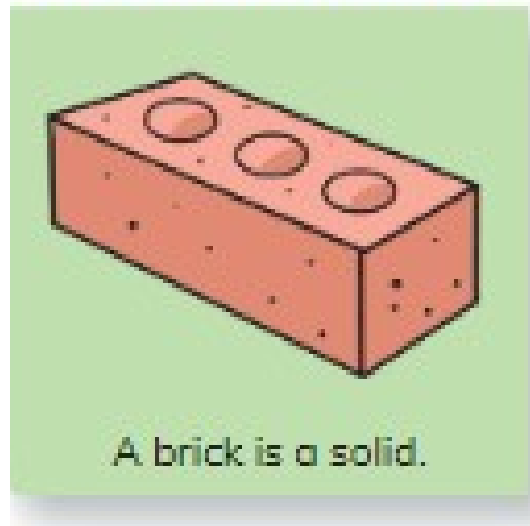
We are going to:

- learn that materials can be solids, liquids or gases
- find out how the properties of solids and liquids are different
- observe materials and put them into groups
- find out which of the five types of science investigation we are doing
- identify risks and how to stay safe in practical work.

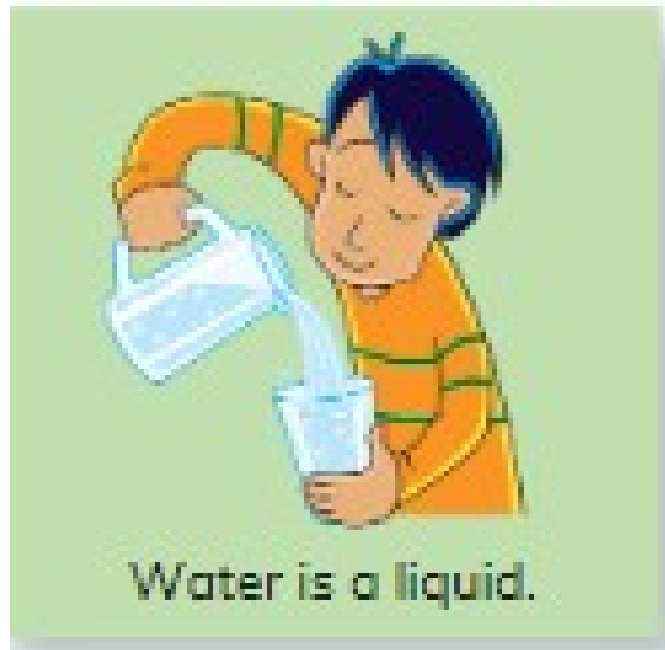
All materials
are either
solids, liquids
OR gases



Solids stay the same shape unless they are compressed, stretched, twisted or bent.



**Liquids change shape easily and
take the shape of the container
they are in.**



Gases spread out to fill the space around them. Air is a mixture of gases. It is mostly a gas called nitrogen but there is also some oxygen. We need oxygen to breathe. Nitrogen and oxygen have no colour so we can't see them. Some gases do have a colour, and some have a smell.





Hydrogen sulfide gas smells of rotten eggs.

3



Chlorine gas is yellow.

Sorting (classifying) liquids and solids

