

SOLIDS LIQUIDS & GASES

QUIZ

This game is a revision activity on solids, liquids and gases. It also enables the teacher to assess the effectiveness of the teaching and level of knowledge and understanding in the class.



Managing the activity

Give each pupil three small pieces of coloured card about 10 cm square (one red, one yellow/orange, one green). They use these to signal their answers.

'I think the answer is ...'

- RED for 'SOLID'
- YELLOW for 'LIQUID'
- GREEN for 'GAS'

To play the game

- Read the statement.
- Allow a short time for the pupils to consider their response.
- Count, '1, 2, 3. Show your cards!'
- Pupils all hold up their 'answer' cards at the same time.

They can keep a tally of how many they get right, and see if they can improve in further games. You will need to alter the order you ask the questions in subsequent games so that pupils don't learn the colour sequence!

Questions

- 1 Materials can exist as solids, liquids and ... ? Gases ■
- 2 What state is water? Liquid ■
- 3 Heating can change a solid to a ... ? Liquid ■
- 4 Heating can change liquid to ... ? Gas ■
- 5 The big bubbles in water contain ... ? Gas ■
- 6 Air is a mixture of ... ? Gases ■
- 7 A material that has a definite shape and will not change its shape unless a force acts upon it is a ... ? Solid ■
- 8 A material with no fixed shape or volume is a ... ? Gas ■
- 9 What kind of material is sand? Solid ■
Even though dry sand pours like liquid and a mass of sand has no definite shape, each individual grain has a distinctive shape.
- 10 What state is sponge cake? Solid + gas ■ ■