

Lesson Plan



Solids, liquids and gases – Quiz activity

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 5 cm square (one red, one orange, one green).

They use these to signal their answers.

'I think the answer is ...'

- RED for 'SOLID'
- ORANGE 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

A material that has a definite shape and will not change its shape unless a force acts upon it is a...? **Solid** ■

Air is a mixture of...? **Gases** ■

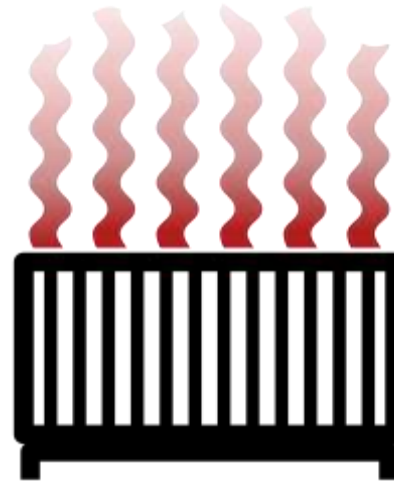


A material with no fixed shape or volume is a...? **Gases** ■

Materials can exist as solids, liquids and...? **Gases** ■

Heating can change a solid to a...? **Liquid** ■

Heating can change liquid to...? **Gases** ■



What state is water? **Liquid** ■



The big bubbles in water contain...? **Gases** ■

What kind of material is sand? **Solid** ■



What state is sponge cake? **Solid** + **gas**