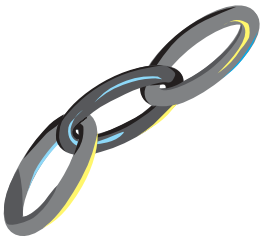

I HAVE, who has …?

This is a good revision game.

It can be played in any odd moments at the beginning or end of a science lesson, or at any other time you want a worthwhile activity, but do not have much time.

Each of the thirty-two cards in this set contains a scientific word that children should know, and use correctly in context, by the age of eleven. The words cover:

- Life processes and living things
- Materials and their properties
- Physical processes

The game is a fun way of helping children to recognise the words and understand their meaning.

Managing the activity

- Cut the four game sheets into 32 individual cards.
- Give out a card to each member of the class. Any extra should also be given out.
- Give the children time to read the ‘I have’ statement and the definition of the next word.
- Choose a child to read out his or her card.

The child with the correct word for the definition then reads out that card … and so on until all the cards have been used.

The children need to listen throughout, even when they have had their turn, to check that the correct definitions have been given.

This activity is self-checking – at the end! If the wrong definition is given somewhere along the line and is not corrected, someone will be left with his/her card unread, and someone may have read their card twice.

This game is not competitive but you could challenge the class by timing each round and seeing how quickly they can complete it.

Perhaps the children could estimate the time for completion before each round.

root	a word for the part of a plant that anchors it to the ground
germination	the word that describes when the root and shoot first appear from a seed
photosynthesis	the word that describes the process that a plant uses to make its own food
seed dispersal	a phrase that describes the process by which a plant distributes its seeds
producer	a word that describes the thing at the bottom of a food chain that a consumer eats
predator	a word for an animal that hunts its prey
micro-organism	the name of a life form which is so tiny that we cannot see it with the naked eye
opaque	a word that describes a material which will not let light through
reversible	a type of change that takes place when chocolate is heated until it melts
condensation	the word for the process that causes water droplets to form on the outside of a glass of iced water
dissolving	the word for the process that occurs when sugar mixes completely with water
evaporation	a word for the process in which water is taken into the atmosphere as water vapour
melting	the word that describes the change when water turns from a solid to a liquid
solution	the word that describes the mixture that you get when water and salt mix together completely
freezing	the word that describes the process when water changes from a liquid to a solid
insulator	the name for a material that will not allow heat or electricity to pass through it easily
boiling	the word that describes the process that takes place when water is heated and changes into a gas
sieving	the method by which rice can be separated from flour
soluble	the word that describes the property of sugar that allows it to dissolve in water
conductor	a material that will allow heat or electricity to pass through it easily
filtration	the method that you would use to separate sand and water
insoluble	the word for a substance that cannot be dissolved
non-reversible	the type of change that takes place when a material is burned
force	the scientific word for a push or a pull
switch	the name of the component that allows you to complete a circuit in a controlled way
orbit	a word that describes the motion of the Earth around the Sun
newton	the unit that is used for the measurement of a force
gravity	the force that pulls objects towards the centre of the Earth
friction	the type of force that resists movement between two surfaces
rotate	a word that describes the motion of the Earth as it turns on its axis
vibrations	the word that describes movements which cause sounds
pollination	the word that describes the transfer of pollen from one plant to another