

Teacher-led activity

DANCING RAISINS



You will need:

- A clear tall glass
- Fizzy water or lemonade
- Raisins

What you do:

1. Fill two glasses, one with water and the other with either fizzy water or lemonade.
2. Drop several raisins into each glass and see what happens.



What if...

you put peas in the fizzy drink?
Do they dance?
If not, why not?

You should find:

The raisins are denser than water so they should sink to the bottom of the glass of still water and stay there. The carbon dioxide bubbles in the fizzy drink stick to the rough surface of the raisins, decreasing their overall density and making them float. When the bubbles burst at the surface, the raisins sink again.

Pupil activity

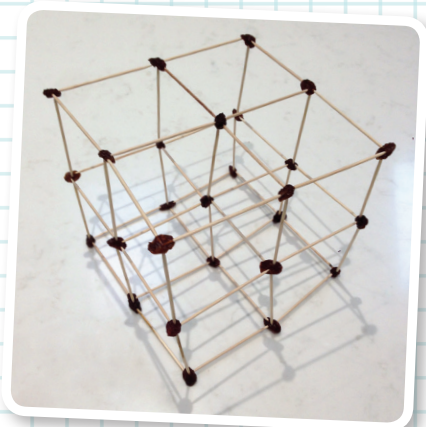
CRYSTAL CONSTRUCTION

You will need:

- Dry spaghetti or cocktail sticks
- Raisins or marshmallows

What you do:

Using cocktail sticks or dry spaghetti to represent bonds and raisins or marshmallows or represent atoms, can you make the structure of a crystal? There are many different shapes you can make. The important thing is that your crystal structure has a regular pattern.



cubic



tetragonal



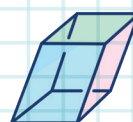
orthorhombic



hexagonal



rhombohedral



monoclinic



triclinic