

7Ga – Sorting rubbish

| Word | Pronunciation | Meaning |
|----------|-----------------|---|
| gas | | Something that does not have a fixed shape or volume, and is easy to squash. |
| liquid | <i>lick-wid</i> | Something with a fixed volume but no fixed shape. |
| property | | A description of how a material behaves and what it is like. Hardness is a property of some solids. |
| solid | | Something with a fixed shape and volume. |

7Ga – Making comparisons

| Word | Pronunciation | Meaning |
|-------------|-----------------------|---|
| adjective | <i>ad-jek-tive</i> | A word that describes, or gives information about, a noun. |
| comparative | <i>com-par-a-tive</i> | A type of adjective that compares two things or people. |
| superlative | <i>su-per-la-tive</i> | A type of adjective that compares one thing or person within a group of things or people. |

7Ga – Solids, liquids and gases

| Word | Pronunciation | Meaning |
|-------------------------------------|-----------------------|---|
| acid rain | | Rainwater that is more acidic than usual due to air pollution. |
| corrosive | <i>(cor-row-sive)</i> | Substances that attack metals, stonework and skin are called corrosive. |
| compressed | | To be squeezed into a smaller volume. |
| cubic centimetre (cm ³) | | A unit used for measuring volume. |
| flammable | | Easily set on fire. |
| flow | | Move and change shape smoothly. |
| fossil fuel | | Fuel formed from once living material over millions of years, e.g. coal, oil or natural gas. |
| hazard | | Something that could cause harm. |
| states of matter | | There are three different forms that a substance can be in: solid, liquid or gas. These are the three states of matter. |
| toxic | | Poisonous. |
| volume | <i>vol-yoom</i> | The amount of room something takes up. Often measured in cubic centimetres (cm ³). |

7Gb – Hypothesis and theories

| Word | Pronunciation | Meaning |
|-------------------|--------------------------|---|
| data | | Observations collected in experiments. |
| evidence | | Information that is used to support a hypothesis or theory. |
| hypothesis | <i>hahy-poth-uh-seez</i> | An idea which explains how or why something happens. |
| prediction | <i>pri-dik-shuh-n</i> | What you think will happen in an experiment. |
| scientific method | | A way scientists use observations, hypotheses, predictions and experiments to produce theories to explain the things they see around them. |
| theory | <i>thear-ree</i> | A hypothesis or set of hypothesis that explains how and why something happens. The predictions made using a theory should have been tested on several occasions and always found to work. |

7Gb – Particles

| Word | Pronunciation | Meaning |
|-----------------|--------------------------|--|
| observation | <i>ob-zur-vey-shuh-n</i> | Something that you see happening. |
| particle theory | | Theory used to explain the different properties and observations of solids, liquids and gases. |
| particles | <i>part-ick-uls</i> | The tiny pieces that everything is made out of. |
| random | <i>ran-dom</i> | Having no regular pattern. |

7Gc – Brownian motion

| Word | Pronunciation | Meaning |
|-----------------|-------------------|---|
| Brownian motion | <i>moh-shuh-n</i> | Erratic movement of small specks of matter caused by being hit by the moving particles that make up liquids or gases. |
| nanometres | | unit of length: 1 nanometre = 0.000 000 001 metre |
| nanoscale | | Scale for measuring very small particles: 1 nanometre (nm) = 0.000 000 001 metre (m) |

7Gd – Diffusion

| Word | Pronunciation | Meaning |
|-----------|-----------------------|---|
| diffusion | <i>diff-you-zshun</i> | When particles spread and mix with each other without anything moving them. |

7Ge – Air pressure

| Word | Pronunciation | Meaning |
|--------------|-----------------|---|
| air pressure | | The force on a certain area caused by air molecules hitting it. |
| vacuum | <i>vak-yoom</i> | A completely empty space, containing no particles. |

7Ge – Waste

| Word | Pronunciation | Meaning |
|--------------|-----------------------------|---|
| composting | | Leaving dead plant material to rot. |
| incineration | <i>in-sin-uh-rey-shuh-n</i> | The act of burning something. Used as a method of dealing with waste. |