

## 4.08 Periodic table

Use the outline of the periodic table on the right to answer the following questions.

- Draw in the 'staircase' line that separates the metals from the non-metals.
- Which letters are in the positions of **metals** on the periodic table?

																			A
B														C					
	D													E			F	G	
	H												I				J		

- Write the letters in the positions of elements which are gases. \_\_\_\_\_
- Write the letter in the position of a metal which is brown. \_\_\_\_\_
- Write the letter in the position of an element which is yellow. \_\_\_\_\_
- Write the letter in the position of an element which is black. \_\_\_\_\_

## 4.09 Elements and their uses

Use a dictionary to help you match the names of the following elements with their descriptions.

Chlorine      Sulfur      Zinc      Nitrogen      Iron      Oxygen      Carbon  
 Aluminium      Magnesium      Copper

- \_\_\_\_\_ In New Zealand this metal is extracted from black sand and used to make steel.
- \_\_\_\_\_ A grey metal used to galvanise iron and also found in torch batteries.
- \_\_\_\_\_ This gas is the main component of air. All protein molecules contain atoms of this element.
- \_\_\_\_\_ A brown metal used in electrical wiring; its compounds are often green or blue.
- \_\_\_\_\_ This light metal is extracted from seawater and burns with a brilliant white flame.
- \_\_\_\_\_ A yellow non-metal often found near active volcanoes and used to make sulfuric acid.
- \_\_\_\_\_ This metal is produced in New Zealand using electricity. It is used to make window frames and soft drink cans.
- \_\_\_\_\_ A green gas with a characteristic smell, often used in water treatment.
- \_\_\_\_\_ This element is extracted from air. When liquefied it is used to launch space rockets.
- \_\_\_\_\_ A solid non-metal found in all living things. It burns readily to form a colourless, odourless gas.