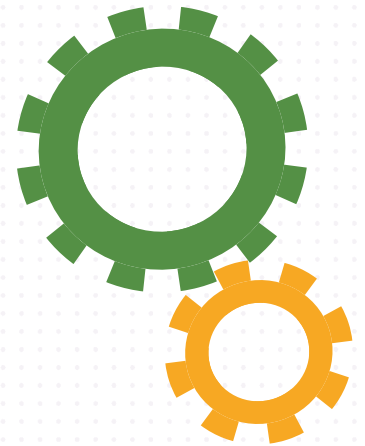


## Challenge 1: Metals and States of Matter

1. The basic parts of all **materials** are called elements. Most elements are **metals** as they conduct electricity and heat. Answer the five clues to find five **metals**. The yellow column will then spell out what this quiz is about!

### ACROSS

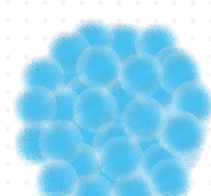
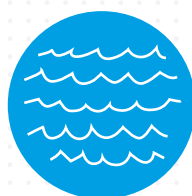
- Liquid** metal used in thermometers.
- Soft, dense **grey** metal.
- Alloy** made mainly from iron metal.
- Metal used to form **bones** and **teeth**.
- Light-weight, **non-magnetic** metal.



	1	E		C		R	Y
2	L			D			
3	S		E	E			
4	C		L	C			M
5	A		U		I	N	I

2. **Materials** exist in the **states** of *solid*, *liquid* and *gas*. For example, water is a *liquid* but it can exist as *solid* ice or *gaseous* steam. Choose the words from the bubbles below to complete the diagram and place the right change of **state** next to each arrow.



solid  
ice

liquid  
water

gaseous  
steam