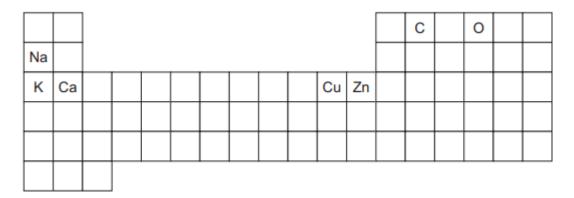
## **PERIODIC TABLE 3**

**Q1.** The diagram shows part of the periodic table.



- (a) What do the metals copper (Cu) and zinc (Zn) have in common?
- 1 They are poor heat conductors.
- 2 They are transition metals.
- 3 They are in the same group in the periodic table.
- They both have properties similar to the properties of potassium (K) and calcium (Ca).

(1 mark)

- **(b)** Copper (Cu) and oxygen (O) are both in the periodic table but copper oxide (CuO) is not. This is because copper oxide (CuO) is . . .
- 1 an element.
- 2 a compound.
- 3 a mixture.
- 4 a hydrocarbon.

(1 mark)

**Q2.** The diagram shows part of the periodic table.

One vertical column has been shaded.

							С	0	
Na									
	Ca			Fe					

Match words,	, A, B, C and D	, with the numbers	1–4 in the sentences.
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A compounds

**B** elements

C groups

D properties

Some of the substances shown in the periodic table can react together to form ... 1 ....

The substances in the periodic table are . . . 2 . . . .

Substances in the same vertical column have similar chemical . . . 3 . . . .

The vertical columns are called . . . 4 . . . .

(4 marks)

Q3. How can you tell that copper is a transition metal and aluminium is not a transition metal from the position of each metal in the periodic table?

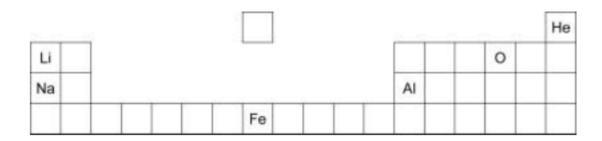
You can use a periodic table for this question.


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(2 marks)

**Q4.** A substance made of only one type of atom is called an element.

The chemical symbols and positions of six elements in the periodic table are shown.



Draw a straight line from each description to its correct symbol.

Description	Symbol	
	Al	
A metal with a low density that does not corrode easily		
	Fe	
It has properties similar to those of sodium, Na		
	He	
It is a transition metal		
	Li	
It is a noble gas		
	0	
		(4 marks)
	Total	marks (12)