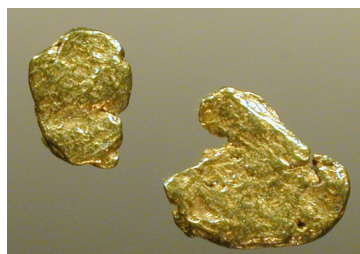


### 3.8 Elements

Name: .....

1. Can copper be broken down into simpler substances by chemical means? \_\_\_\_\_

2. What type of atoms is a nugget of gold made from? \_\_\_\_\_



3. Which of the following is not an element? Underline the correct answers.

*wood*    *water*    *oxygen*    *sulfur*    *carbon dioxide*

4. What two types of elements does the Periodic Table divide elements into?

(i) \_\_\_\_\_ and (ii) \_\_\_\_\_

5. Metals conduct (allow to pass through) \_\_\_\_\_ and \_\_\_\_\_.

6. Match each property below with the relevant element by drawing lines between them.

<i>A reddish brown metal</i>	(i)	(a) <i>sulfur</i>
<i>A grey-black non-metal</i>	(ii)	(b) <i>melting</i>
<i>A silver-grey metal</i>	(iii)	(c) <i>copper</i>
<i>A yellow solid non-metal</i>	(iv)	(d) <i>carbon</i>

7. Give four uses for metals. (i) \_\_\_\_\_  
(ii) \_\_\_\_\_  
(iii) \_\_\_\_\_  
(iv) \_\_\_\_\_

8. Complete the following table of elements and their symbols. Please state whether each element is a metal or non-metal.

Element	Symbol	Metal	Non-metal
Copper			
	Zn		
Hydrogen			
	S		
Aluminium		Yes	
	O		
Silver			
Carbon			Yes
	Au		
Nitrogen			

9. Using a diagram to show your idea, design an experiment to compare the hardness of iron and lead.

(a) List what you need:

---

(b) What measurements will you make?

---

---

(c) Predict what will happen in your experiment.

---

(d) How accurate do you think your method will be?

---

---