

Name: _____

1. What is an element?

_____ (2)

2. Name 3 elements and then give a use for them in everyday life.

_____ (2)
_____ (2)
_____ (2)

3. When 2 or more elements combine chemically they form a _____ (2)

4. A mixture is 2 or more substances mingled together. Give one example of a mixture? _____ (2)

5. Give 2 differences between a mixture and a compound

(i) _____ (2)
(ii) _____ (2)

6. What symbol do the following elements have?

Potassium = _____ (2)
Phosphorous = _____ (2)
Sodium = _____ (2)
Calcium = _____ (2)

7. How could you separate a mixture of iron and sulphur?

_____ (2)

8. How could you turn a mixture of iron and sulphur into a compound?

_____ (2)

9. What is the name of this compound? _____ (2)

10. When Magnesium is burned in air a new compound is formed. What is the chemical formula for this compound? _____ (2)

11. Complete the following table, the first one has been done for you.

NAME OF COMPOUND	FORMULA	ELEMENTS IN THE COMPOUND
Water	H ₂ O	Hydrogen and oxygen
Magnesium oxide	MgO	
Iron sulfide	FeS	
Carbon dioxide	CO ₂	
Hydrogen chloride (hydrochloric acid)	HCl	
Sodium chloride (common salt)	NaCl	
Calcium oxide (lime)	CaO	
Sugar (common table sugar)	C ₁₂ H ₂₂ O ₁₁	

(7)

12. In an exam a student was asked for the chemical symbol for Chlorine. The student wrote down CL and got no marks for this answer. Why?

_____ (2)