

See the video  <https://youtu.be/olNaHLbd8zg>

I. Use the Periodic table to write the symbol of each “pure” elements

Example: Calcium the symbol is Ca	
1. Silicon	2. Barium
3. Carbon	4. Titanium
5. Copper	6. Gold
7. Chlorine	8. Mercury
9. Potassium	10. Aluminum
11. Boron	12. Oxygen

II. Read

### Elements

All elements are located on the Periodic table—  
They are made of one kind of atom  
(Example: Nitrogen (N), is 7<sup>th</sup> element in the Periodic Table)

### Compounds

Compounds are made of two or more elements combined chemically  
(example: H<sub>2</sub>O is made of Hydrogen and Oxygen, combined chemically)

Write element or compound

13. Au \_\_\_\_\_
14. CaH<sub>2</sub> Calcium hydride \_\_\_\_\_
15. Ga \_\_\_\_\_
16. Cu \_\_\_\_\_
17. H<sub>2</sub>O \_\_\_\_\_

- 18. Rf \_\_\_\_\_
- 19.  $\text{H}_2\text{SO}_4$  (sulfuric acid) \_\_\_\_\_
- 20.  $\text{HCl}$  (Hydrogen chloride) \_\_\_\_\_
- 21.  $\text{O}_2$  \_\_\_\_\_
- 22.  $\text{CO}$  \_\_\_\_\_
- 23.  $\text{CO}_2$  \_\_\_\_\_
- 24. How about Sea Water? —it is a mixture of many compounds

### III. Final question

A **compound**  $\text{H}_2\text{SO}_4$  (sulfuric acid) is made of 3 different elements:  
**H** (hydrogen), **S** (Sulfur), and **O** (Oxygen)

25. How many different elements **Na H C O<sub>3</sub>** (baking soda) is made of?

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