## Science In Action 9 - Numerical Response Questions - Matter and Chemical Change

1. Match the WHMIS Symbol with the description of the Hazard.









Toxic

Biohazard

Flammable

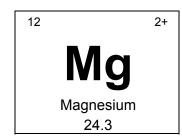
Oxidizing

- 2. Match the description of the theory of Matter with the time it occurred.
  - 1- Chemists only investigated materials that had a high value to humans
  - 2- The use of simple tools and the discovery of fire
  - 3- The work of Dalton suggests matter is made up of elements
  - 4- A group of Hittites discovered how to extract an element from rock

•	•	
0	0	0
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
	0 1 2 3 4 5 6 7	0 0 1 1 2 2 3 3 4 4 5 5 6 6 7 7 8 8

Stone Bronze Iron Atomic Age Age Age Theory

3. Use the illustration of the element from the periodic table to answer the question.



What is the atomic mass of this element?

- The law of conservation of mass in a chemical reaction states that the mass of the products will equal the mass of the reactants.

$$\text{Mg(s)} + S_{(s)} \longrightarrow \text{MgS}_{(s)}$$
24.3 g 32.1 g Mass?

What is the mass of MgS ?

	•	•	
0	0	0	0
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9
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