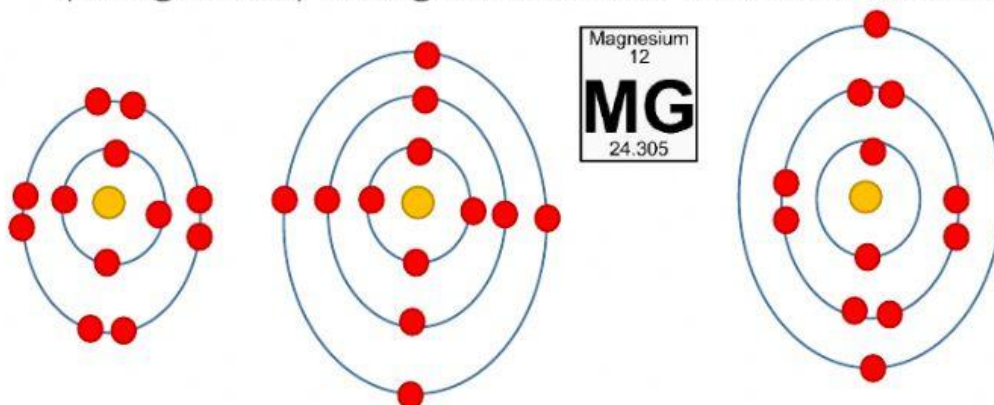


## The periodic table – Chemical and physical trends

- **Choose the correct answers:**

1) Choose the correct representation for the electron arrangement (configuration) of magnesium with a total of 12 electrons.



2) Which word equation is correct?

- a- Cesium + Water = Cesium + Water + Hydrogen
- b- Cesium + Water = Cesium hydroxide + Hydrogen
- c- Cesium + Water = Cesium

- **Complete the following equations:**

- 1) Sodium + Oxygen = \_\_\_\_\_
- 2) Rubidium + \_\_\_\_\_ = Rubidium hydroxide + \_\_\_\_\_
- 3) Francium + \_\_\_\_\_ = Francium oxide
- 4) \_\_\_\_\_ + Water = Potassium hydroxide + Hydrogen
- 5) \_\_\_\_\_ + \_\_\_\_\_ = Lithium Oxide

- **Complete the following paragraph:**

Elements in the same group contain the same number of \_\_\_\_\_ but different number of \_\_\_\_\_.  
This allows them to share \_\_\_\_\_. As the number of shells increases down the group, the elements' reactivity \_\_\_\_\_.