

### The periodic table

1. A vertical column in the periodic table is known as a \_\_\_\_\_.
2. A horizontal row in the periodic table is known as a \_\_\_\_\_.
3. Elements in the same group have the same number which sub-atomic particle in the outer shell?
  
4. Elements in the same period have the same number of what?
  
5. Which element can be found in:
  - a) group 1 and period 2?
  - b) group 2 and period 3?
  - c) group 15 and period 4?
- 6) Where can the metals be found on the periodic table?
  
- 7) Where can the non-metals be found on the periodic table?
  
- 8) An element has 2 electrons in its outer shell. Which group will it be found in?
- 9) An element has 3 occupied energy levels. Which period will it be found in?
  
- 10) An element has 7 electrons in its outer shell and 2 occupied energy levels. Which element is it?

Answers.

1. group
2. period
3. electrons
4. occupied energy levels
5.
  - a) lithium
  - b) magnesium
  - c) arsenic
6. on the left hand side
7. on the right hand side
8. group 2
9. period 3
10. fluorine