



# Atomic Structure and the Periodic Table

## Multiple Choice Questions

### Set 3

You may use the periodic table to answer these questions.

Tick **one** box.

- Which element has an atomic number of 19?
  - chromium
  - krypton
  - phosphorus
  - potassium
  
- Which subatomic particle is found orbiting the nucleus of an atom?
  - electron
  - isotope
  - neutron
  - proton
  
- Which separation method would be used to separate a solvent from a solution?
  - chromatography
  - crystallisation
  - simple distillation
  - filtration
  
- How many electrons are there in an atom of silicon?
  - 14
  - 20
  - 28
  - 42
  
- What name is given to the elements in Group 7 of the periodic table?
  - alkali metals
  - halogens
  - noble gases
  - transition metals
  
- Which scientist left gaps for undiscovered elements when arranging their periodic table?
  - Dmitri Mendeleev
  - John Dalton
  - John Newlands
  - Niels Bohr



7. Which group of elements form positive ions when they react?

A. alkali metals

B. halogens

C. noble gases

D. none of the above

8. Which of the following elements is the most reactive?

A. lithium

B. potassium

C. rubidium

D. sodium

9. Which of these properties is **not** a characteristic of a typical non-metal?

A. brittle

B. low density

C. good conductor of electricity

D. dull

10. Which model of the atom was proposed by Ernest Rutherford in 1911?

A. nuclear model

B. planetary model

C. plum pudding model

D. solid sphere model