

Name: _____

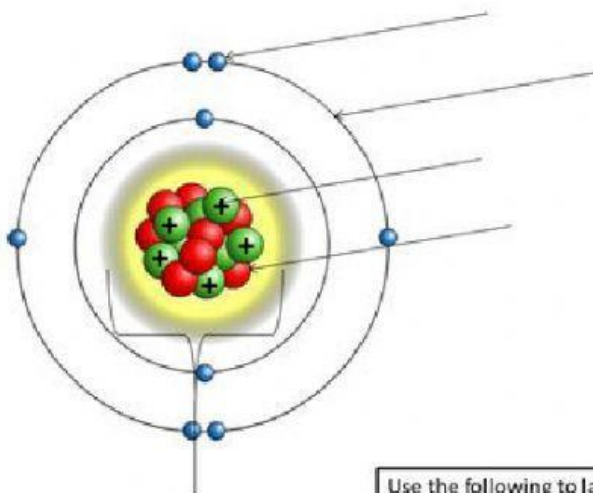
Form: _____

Date: _____

INTEGRATED SCIENCE

ELEMENTS, MIXTURES & COMPOUNDS

1. Label the components of the atom below. Drag the labels from the word bank.



Use the following to label the atom:

Nucleus Proton Neutron Shell Electron

(5 marks)

2. Select whether the statement is true or false.

- a. Electrons are negatively charged _____
- b. Protons orbit the nucleus of the atom _____
- c. Protons and electrons are attracted to each other _____
- d. Atoms contain equal numbers of protons and electrons _____
- e. Neutrons can be either positively or negatively charged _____

(5 marks)

3. Match the element to its chemical symbol. (Drag to draw a line between the two)

Oxygen

Na

Sodium

Ag

Carbon

Fe

Aluminium

Al

Iron


O


Silver

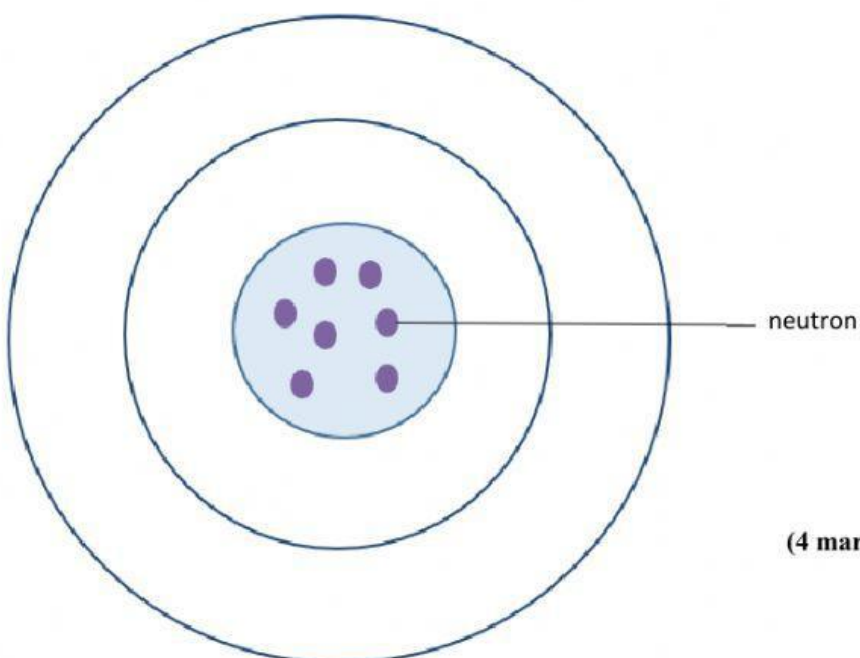
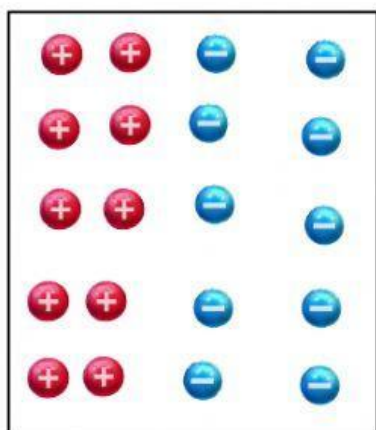
C

(6 marks)

4. If an atom has equal numbers of protons, neutrons and electrons, complete the diagram below, which has seven (7) neutrons. Choose protons and electrons from the box.

 = proton

 = electron



(4 marks)