

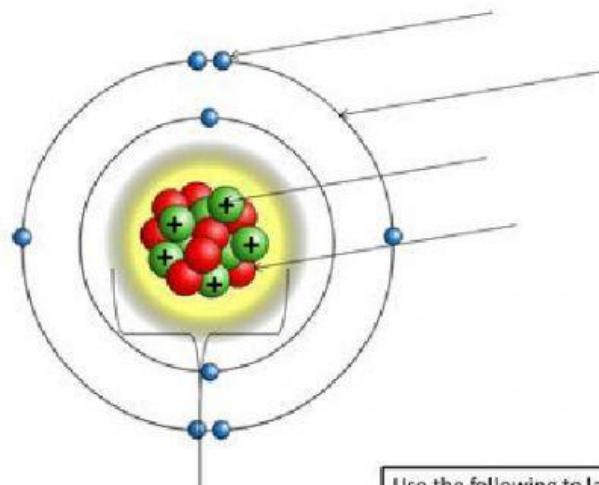
Name: \_\_\_\_\_

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

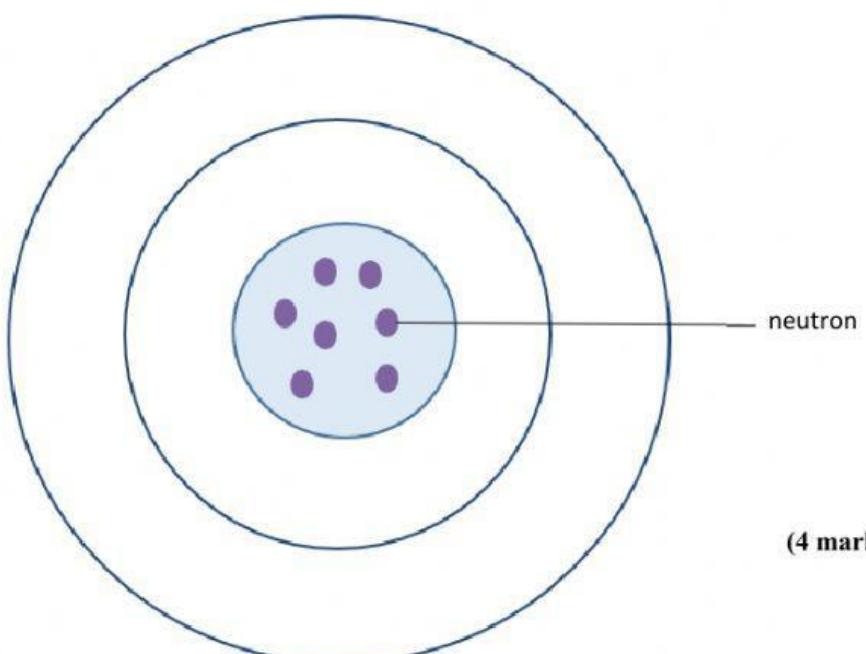
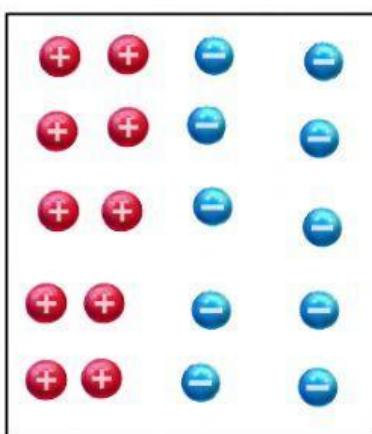
C

(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)

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