Name: .....
School: .....
Class: Grade 9
Subject: Chemistry. **Title:** Structure of Matter

Interactive Worksheet

I- Answer by True (T) or False (F):

a. Matter seems to be continuous, but it is not.

b. All substances even you are made of particles called atoms.

c. Atoms are the basic building blocks of all substances.

d. Atoms are the smallest particle of matter that could exist.

II- Fill in the blanks

a. Atoms consists of protons, neutrons and …….

b. Protons and neutrons are found in the …….. while the ……. orbit the nucleus.

c. Protons are positively charged while electrons are …….. charged.

d. In an atom, the number of protons is ……. to the number of electrons.

III- An Aluminum atom contains 13 positivity charged particles and 14 neutral particles in its nucleus. Thus

a. This atom contains 14 protons and 13 neutrons in its nucleus.

b. This atom contains 13 protons and 14 neutrons in its nucleus.

c. This atom contains 14 electrons and 13 neutrons.

d. This atom contains 27 protons in its nucleus.

LIVEWORKSHEETS

IV- Match each sub-atomic particle with its electric properties

Sub-atomic Particle
Protons
Neutrons
Electrons

Electric Properties
Negatively Charged
Positively Charged
Neutral

V- Refer to the schematic drawing below that represents a Lithium atom to answer the following questions.

a. Indicate the number of electrons: ……..

b. Deduce the number of protons: ……..

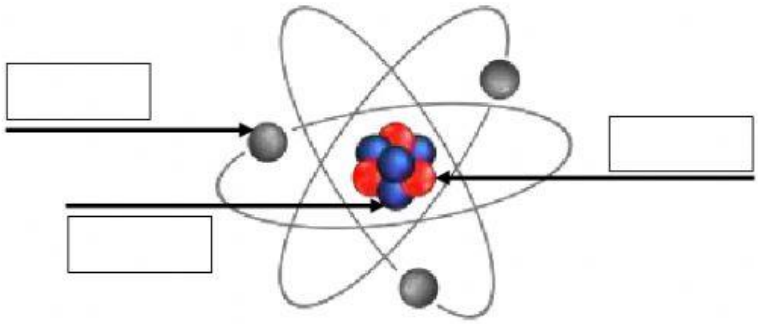
c. Determine the number of neutrons: ……..

d. Then drag each sub-atomic particle to its correct labelling.

Proton

Electron

Neutron



LIVEWORKSHEETS