CHEMISTRY REVISION SHEET

A. ATOMIC STRUCTURE.

Fill in the blanks:

Use a relevant word from the word bank given to fill in the spaces provided for questions or statements 1 - 12. A word can be used once.

Word bank

Shells, 6, neutron, nucleus, 14, smallest particle, atom, 8, negatively, positively, neutral, protons, mass number (A), C

1. An element is a pure substance consisting of only one type of _____.
2. An atom is the _____ of an element.
3. The central part of an atom is called the _____
4. The central part of an atom consist of a proton and _____
5. Around the central part of an atom is the _____
6. Protons are _____charge, electrons are _____ charge and neutrons are_____.
7. Atomic number (Z) refers to the number of _____ in an atom.
8. _____ refers to the number of protons and neutrons of an atom.

Use the short hand notation given below to answer questions 9 – 12.

$$^{14}_{6}C$$

9. The symbol of the element given in the diagram is _____
10. The mass number of the atom is _____
11. The atomic number of the atom is _____
12. The number of neutrons of the atom is _____
13. Electron configuration refers to how electrons are arranged in an atom. Given below is the electron configuration of an atom; 2, 8, 3. Use the electron configuration to draw the atomic structure of the atom.

LIVEWORKSHEETS

14. Sodium (Na) is in period 3, group 1 of the periodic table. Draw the atomic structure of a sodium atom.

B. METALS, NONMETALS & METALLOIDS.

Beside each statement, Write True (T) if the statement is true or false (F) if it is false.

1. Metals are located on the left hand side of the periodic table. _____
2. Non- metals are found on the left hand side of the periodic table. _____
3. Metalloids are found in the middle of the periodic table.
4. Metals are shiny. _____
5. Non- Metals are dull. ____
6. Metalloids are both shiny & dull. ____
7. Metals are malleable and ductile. _____
8. Nonmetals and metalloids are malleable and ductile. _____
9. Metals are very good thermal and electrical conductors. _____
10. Non-metals are not good thermal and electrical conductors._____
11. Metalloids are semi-conductors of thermal and electricity. _____

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