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Science Physical about Worksheet الملف

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Date:

## Online Test-1

Name:

## Physical Science

Class:

- I. Choose the best answer.
- The term nucleons refer to.  
a. protons and electrons  
b. only neutrons  
c. electron and neutrons  
d. protons and neutrons
  - By whom was neutron discovered?  
a. Bohar      b. Chadwick      c. Chadwork      d. Dalton
  - In an atom valence electron are present in.  
a. Outermost orbit  
b. Next to outermost orbit  
c. First orbit  
d. any one of its orbit
  - The maximum number of electrons that can be accommodated in third shell ( $n=3$ ) is  
a. 2      b. 8      c. 18      d. 10
  - What is the number of valence electrons of Al  
a. 1      b. 2      c. 3      d. 5

II. Fill in the blanks.

**Nucleus    Neutron    Chemical reaction    23    Radio**

- \_\_\_\_\_ isotope is used in the nuclear reactor.
- An atom is the smallest unit of an element which takes part in a \_\_\_\_\_.
- An atom of an element has 11 protons 11 electrons and 12 neutrons . The atomic mass of the atom is \_\_\_\_\_.
- The sub atomic particle not present in a hydrogen atom is \_\_\_\_\_.
- Almost all the mass of an atom is concentrated in a small region of space is called the \_\_\_\_\_.

### III. True or False.

1. J.J.Thomson proposed that the nucleus of an atom contains only nucleons.

2. There is no particle of matter smaller than an atom.

3. The innermost atomic shell can hold a maximum of 18 electrons.

4. An electron has a mass that is much less than a proton.

5. Horizontal rows of the periodic table are called periods.

### IV. Match the followings.

1. Ernest Rutherford - Stationary orbits

2. J.J. Thomson - Newton

3. Dalton - Discovery of electron

4. Neils Bohr - Plum budding model

5. James Chadwick - Concept of nucleus