



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Physical Science

Class: 8

Date: 16.04.20

Duration: 40 min

Worksheet Solution 9

Full Marks: 15

ATOMIC STRUCTURE/DALTON'S ATOMIC THEORY

Choose the Correct options:

1. What do you mean by indivisible?
Ans (a) Invisible (b) **Undivided** (c) Unparalleled (d) Identical
2. Atoms consist of
Ans (a) Protons (b) Neutrons (c) Electrons (d) **All of these**
3. What does the word *param* in Sanskrit mean?
Ans (a) **ultimate** (b) unwanted (c) Precious (d) Dear
4. When was the first idea of atom developed?
Ans (a) 5th century BC (b) **6th Century BC** (c) 1803 (d) 1934
5. Who first proposed the idea of atom?
Ans (a) **Kannad** (b) Democritus (c) Leukiposs (d) Dalton
6. When did John Dalton give his atomic theory?
Ans (a) 1669 (b) 1753 (c) **1803** (d) 1828
7. The word atom is derived from atomas which is in
Ans (a) **Greek** (b) Latin (c) Hebrew (d) Sanskrit
8. Atoms of the same element have
Ans (a) **Same weight** (b) Same energy (c) Same frequency (d) All of these
9. Atoms of different elements have different?
Ans (a) weight (b) volume (c) mass (d) **All of these**
10. According to Dalton, chemical reaction involves
Ans (a) **Atoms** (b) Molecules (c) Mixtures (d) None
11. In a chemical reaction atoms participate in
Ans (a) **simple ratio** (b) inverse relation (c) Direct relation (d) None of these
12. The word atomos means
Ans (a) ultimate (b) unwanted (c) Precious (d) **Indivisible**
13. The Sanskrit word *anu* means
Ans (a) matter (b) **particle** (c) sphere (d) None of these
14. Dalton's atomic theory failed because atoms are
Ans (a) **divisible** (b) variable (c) destructible (d) All of these
15. Dalton's work falls under the field of
Ans (a) Atomic Physics (b) Experimental Chemistry (c) Physical Chemistry (d) **All of these**