
FORMATIVE ASSESSMENT-3

Physical Science

9th Class

CCE Model

Key to FA-3

(2016-17)

1. (a) The atomic number of this atom = 6.
(b) Carbon atom has this type of arrangement of electrons.
(c) This atom has K and L.
(d) The valency of this atom is 4.
2. (a) This is Law of conservation of mass.
(b) Lavoisier established this law.
(c) “Matter consists of indivisible particles called atoms” –first postulate of Dalton’s theory is the result of this law.
(d) Landolt verified this law experimentally.
3. Yes, I support this statement.
H₂ is the Hydrogen molecule, which is the combination of two hydrogen atoms and is in stable state. Whereas 2H is the two hydrogen atoms and are unstable, ready to participate in the chemical reaction. So, these two are different.
4. They are called Isotopes. The main difference of these is the difference in neutrons number.
5. He used Criss-cross method.
6. The relation between Atomic mass number, Atomic number and Neutron number is
Atomic mass number = atomic number + neutron number.
A = Z + N
7. **c** 8. **d** 9. **c** 10. **a** 11. **d** 12. **b**
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