Mark the letter of the term or phrase that best answers the question.

1. The state of matter in which a material has definite shape and definite volume is the state.

a. liquid   b. solid   c. gaseous   d. vaporous

_____ **2. Matter that is free to move and fills its available volume is in the state.**

a. liquid   b. solid   c. gaseous   d. elemental

_____ **3. What type of matter is formed when two or more elements chemically join?**

a. compound   b. element   c. heterogeneous mixture   d. homogeneous mixture

_____ **4. The law that states that mass cannot be created or destroyed in ordinary chemical and physical changes is known as the law of**
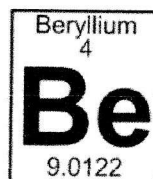
a. conservation of mass.   b. mass action.   c. multiple proportions.   d. definite composition.

_____ **5. According to the Bohr model of the atom, which particles are allowed to exist in any one of a number of energy levels.**

a. electrons   b. protons   c. neutrons   d. Both (b) and (c)

_____ **6. The atomic symbol for beryllium is Be, the figure below indicates that the**

a. atomic number is 4.
b. atomic number is 9.
c. mass number is 4.
d. atomic number is equal to 9 or 4.

Beryllium
4

Be

9.0122

___ **7. An atom of potassium has 19 protons and 20 neutrons. Its mass number is**