1. The chemical symbol for potassium is

A. P B. Po C. K D. Pt

2. Which of the following is an alkaline earth metal?

A. Sc B. Ba C. Li D. B

3. All of the following exist as a diatomic molecule except

A. H_2 B. Mg_2 C. I_2 D. N_2

4. The mass number is the number of _____.

A. protons + electrons B. neutrons + electrons C. protons D. protons + neutrons

5. An element has two isotopes 69.09% (62.93 amu) and 30.91% (64.93 amu). The atomic mass is

A. 63.55 amu B. 63.34 amu C. 63.24 amu D. 63.14 amu

6. How many orbitals are there in the 4d subshell?

A. 3 B. 4 C. 10 D. 5

7. The electron configuration for aluminum is

A. $1s^2, 2s^2, 2p^6, 3s^1, 3p^2$ B. $1s^2, 2s^2, 3s^3, 3p^6, 4s^1$ C. $1s^2, 2s^2, 2p^6, 3p^3$ D. $1s^2, 2s^2, 2p^6, 3s^2, 3p^1$

8. The number of unpaired electrons in the electron structure [Kr] $5s^2 4d^3$ is

A. 2 B. 5 C. 3 D. 4

9. Which elements have 6 valence electrons?

A. period 2 B. group 6A C. group 6B D. period 6

10. The Lewis Structure of a chlorine atom includes _____ dots.

A. 6 B. 17 C. 7 D. 5

Answers

1	2	3	4	5	6	7	8	9	10
C	**B**	**B**	**D**	**A**	**D**	**D**	**C**	**B**	**C**