

Name: \_\_\_\_\_

Class/Period: \_\_\_\_\_

Assignment: 10-1 and 10-2

Teacher: Thibodeau

1 The elements on the Periodic Table of the Elements are arranged in order of increasing

- 1 atomic number
- 2 mass number
- 3 number of neutrons
- 4 number of valence electrons

2 Compared to an atom of C-12, an atom of C-14 has a greater

- 1 number of electrons
- 2 number of protons
- 3 atomic number
- 4 mass number

3 On the Periodic Table, the number of protons in an atom of an element is indicated by its

- 1 atomic mass
- 2 atomic number
- 3 selected oxidation states
- 4 number of valence electrons

4 An atom that has 13 protons and 15 neutrons is an isotope of the element

- 1 nickel
- 2 silicon
- 3 aluminum
- 4 phosphorus

5 What is the total charge of the nucleus of a nitrogen atom?

- 1 +5
- 2 +2
- 3 +7
- 4 +14

6 A sample composed only of atoms having the same atomic number is classified as

- 1 a compound
- 2 a solution
- 3 an element
- 4 an isomer