

Electron Configuration Bell Ringer – Student Edition

Select the best answer for each question.

1. The atomic number tells us:

- a. The number of protons plus electrons in an atom.
- b. The number of protons or electrons in an atom.
- c. The number of protons in an atom
- d. The number of electrons in an atom.

2. Which of the following statements regarding electrons is false?

- a. Electrons are negatively charged
- b. Valence electrons are involved in chemical reactions
- c. Electrons only occupy a particular energy level around a nucleus
- d. Electrons will occupy higher energy levels before occupying lower energy levels

3. The electron configuration for neon is:

- a. 2, 8
- b. 2, 4, 4
- c. 2, 8, 8
- d. 10

4. The electron configuration for nitrogen is:

- a. 7
- b. 2, 5
- c. 2, 2, 2, 1
- d. 2, 7.