

Electron Configuration Bell Ringer – Student Edition

Select the best answer.

- 1. An isotope can be defined as:**
 - a. Atoms with the same number of protons but a different number of electrons.
 - b. Atoms with the same number of protons but a different number of neutrons.
 - c. Atoms with the same number of neutrons but a different number of electrons
 - d. Atoms with the same number of protons, electrons and neutrons.

- 2. An isotope of hydrogen is:**
 - a. Tritium
 - b. Deuterium
 - c. Protium
 - d. All of the above

- 3. In an isotope the mass number:**
 - a. Is the same in each atom
 - b. Is the same as the number of protons
 - c. Changes depending on the number of neutrons.
 - d. Is less than the atomic number

- 4. The chemical properties of the isotopes of an element:**
 - a. Are identical
 - b. Are similar
 - c. Are different
 - d. None of the above.