

## Electron Configuration Bell Ringer – Teacher 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.

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