

Name _____

Answer Key: Electron Shells and Valence Electrons

1. Electron shells are regions around the nucleus where electrons are likely to be found, similar to the orbits of planets around the sun.

2. The innermost shell of an atom can hold a maximum of 2 electrons.

3. The second shell can hold up to 8 electrons.

4. Valence electrons are important in chemical reactions because they are the electrons involved in bonding with other atoms.

5. False