

Key Science Vocabulary ~ #6

- **De Broglie Wavelength** ~ the wavelength associated with a moving particle.
- **Electromagnetic Radiation** ~ energy that is carried, or radiated, in the form of electromagnetic waves.
- **Electron Cloud** ~ the region in which there is a high probability of finding an electron.
- **Excited State** ~ any energy level of an atom that is higher than its ground state.
- **Ground State** ~ state of an atom with the smallest allowable amount of energy.
- **Heisenberg Uncertainty Principle** ~ states that it is impossible to simultaneously measure the exact position and momentum of a particle.
- **Quantized** ~ energy exists only in bundles of specific amounts.
- **Quantum Mechanics** ~ the study of the properties of matter, using its wave properties.
- **Quarks** ~ tiny particles that make up protons, neutrons and pions.