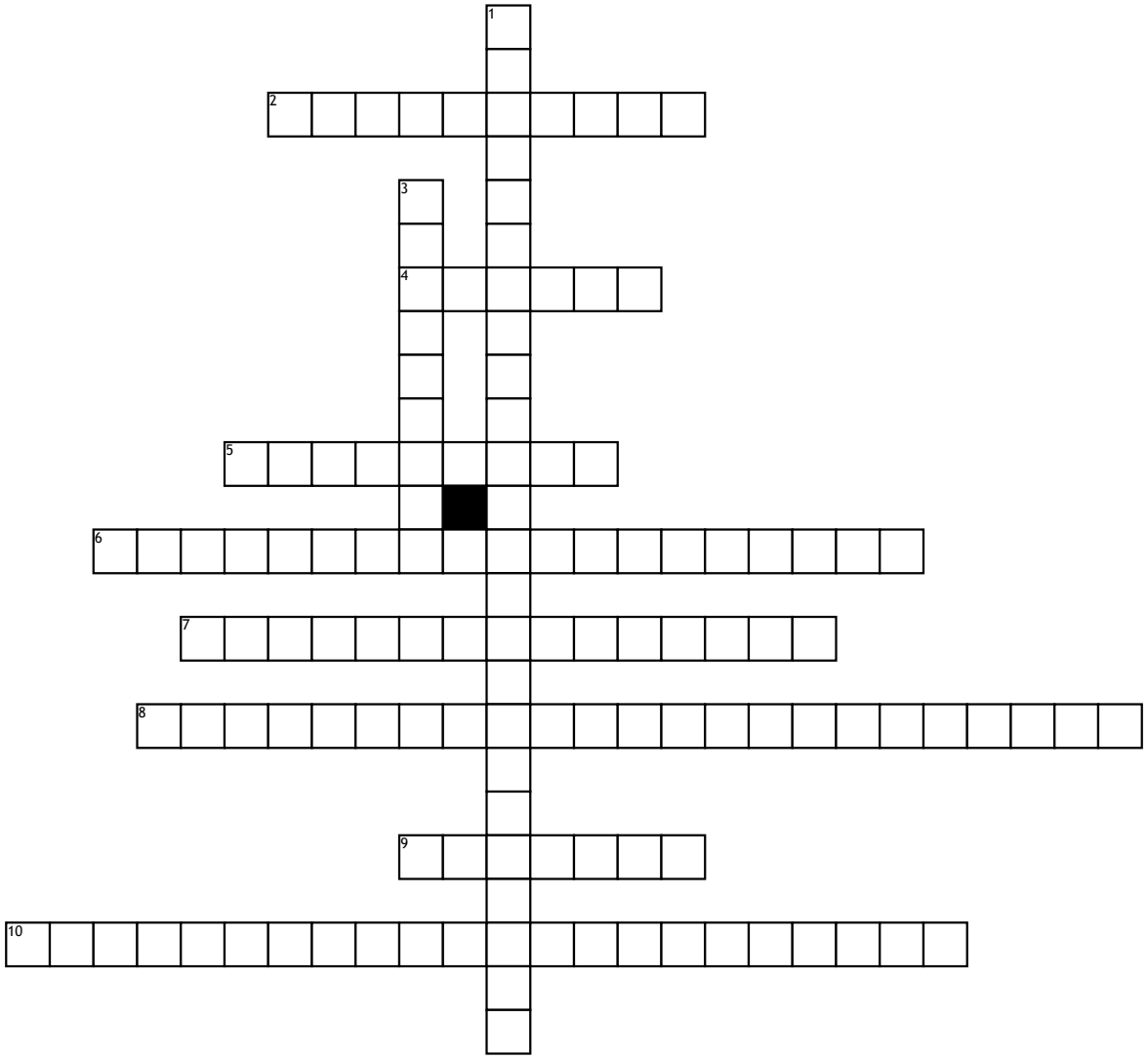
Name: _____ Date: _____ Period: _____

Chemistry Assignment



Across

2. a property of a wave that is the distance between identical points between two successive waves.

4. a particle of electromagnetic radiation wth no mass that carries a quantum of energy.

5. is the number of times a point on a wave passes a fixed reference point in one second.

6. When a surface is exposed to sufficiently energetic electromagnetic energy, light will be absorbed and electrons will be emitted.

7. is the proportionality constant relating a photon's energy to its frequency.

8. the entire range of wavelengths or frequencies of electromagnetic radiation extending from gamma rays to the longest radio waves and including visible light.

9. a discrete packet of energy or matter.

10. the radiant energy released by certain electromagnetic processes.

Down

1. frequencies of electromagnetic radiation emitted due to an atom or molecule making a transition from a high energy state to a lower energy state.

3. the maximum extent of a vibration or oscillation, measured from the position of equilibrium.