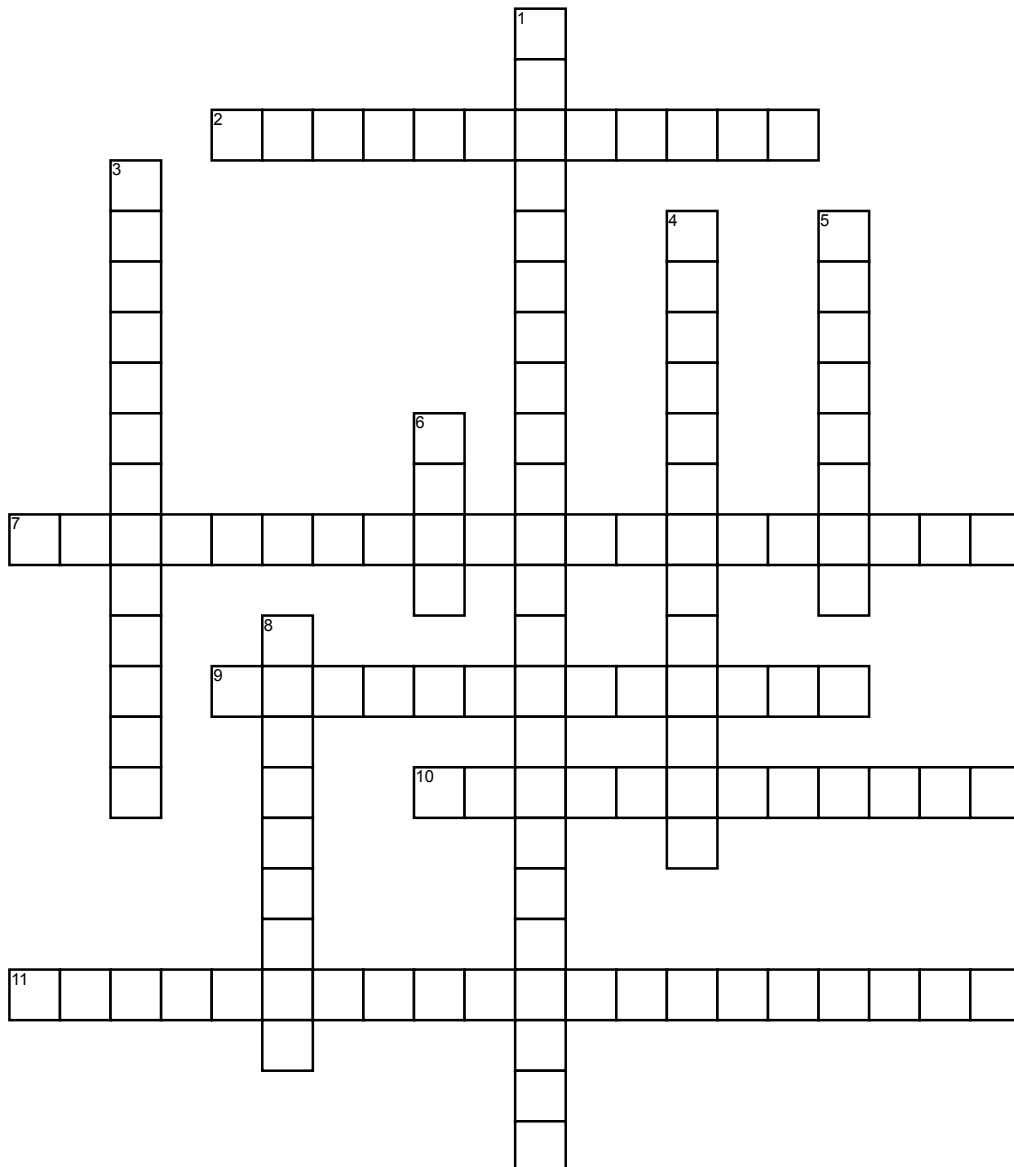


Name: _____

Date: _____

Waves



Across

2. Electromagnetic waves with wavelengths between 1 mm and 0.7 millionths of a meter.
7. Waves that can travel through matter or space including radio waves, infrared waves, visible light waves, ultraviolet waves, X rays and gamma rays.
9. Surrounds a magnet and exerts a magnetic force on other magnets.
10. Electromagnetic waves with wavelengths between 0.4 and 0.7 millionths of a meter that can be seen with your eyes.
11. Electromagnetic waves with wavelengths between about 0.4 millionths of a meter and 10 billionths of a meter that has frequencies and wavelengths between visible light and X rays.

Down

1. Range of electromagnetic waves, including radio waves, visible light, and X ray with different frequencies and wavelengths.
3. Energy carried by an electromagnetic waves.
4. Surrounds every electric charge and exerts forces on other electric charges.
5. Highest energy electromagnetic waves with the shortest wavelengths and highest frequencies.
6. High energy electromagnetic wave that is highly penetrating and can be used for medical diagnosis.
8. Lowest frequency electromagnetic waves that have wavelengths greater than about 0.3 m and are used in most forms of telecommunications technology such as TV's, telephone, and radios.