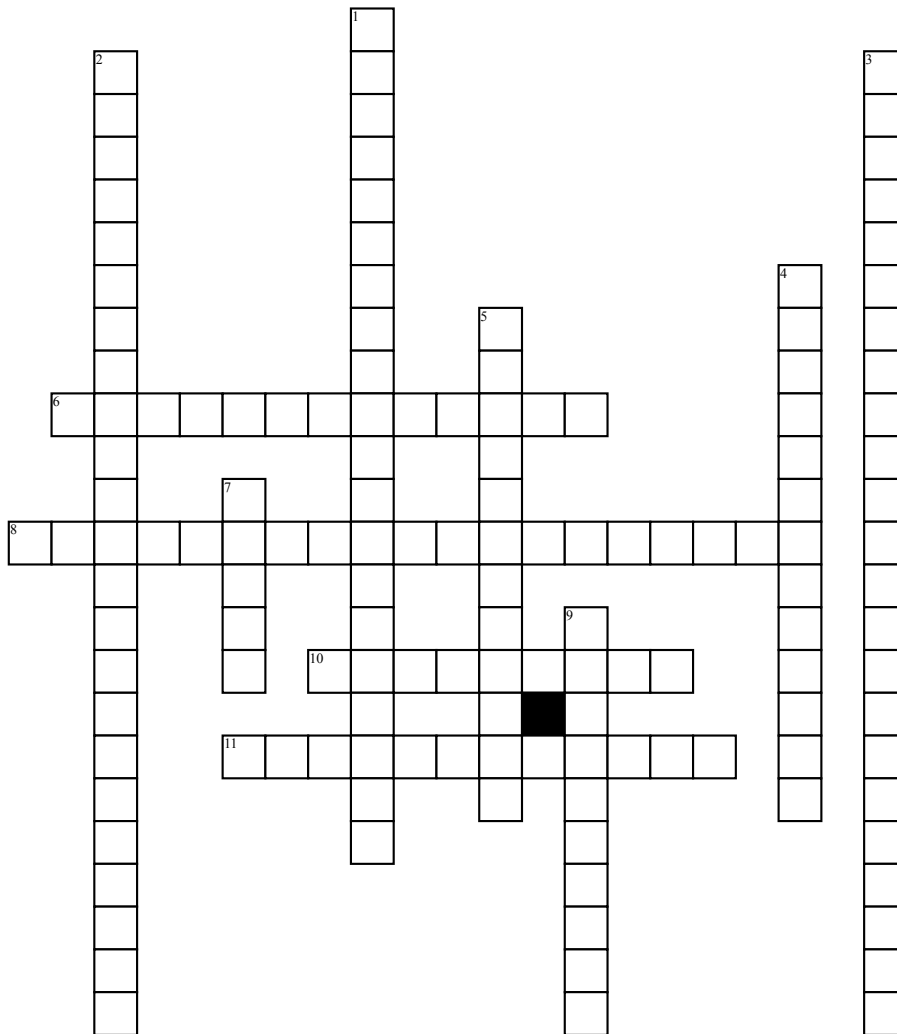


Waves



Across

- 6. The energy carried by an electromagnetic wave called
- 8. Is a wave that can travel through empty space or through matter and is produced
- 10. Have the highest frequency and therefore carry the most energy
- 11. Electromagnetic waves you can detect with your eyes are called

Down

- 1. _____ is higher in frequency than visible light and has even shorter wavelengths

- 2. The wide range of electromagnetic wave with different frequencies and wavelengths forms the
- 3. Satellites also are used as part of the _____ or GPS
- 4. These electromagnetic waves are called _____ and have wavelengths
- 5. The radio waves broadcast by a station at its assigned frequency are the _____ for that station
- 7. _____ with an even higher frequency than ultraviolet rays have enough energy to go right
- 9. The lowest frequencies of all the electromagnetic wave and carry the least energy

Word Bank

- | | | |
|--------------------------|---------------------------|-----------------------|
| Electromagnetic spectrum | Global Positioning System | Radio waves |
| Gamma rays | visible light | carrier waves |
| infrared waves | Electromagnetic wave | ultraviolet radiation |
| Radiant energy | X rays | |