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Electromagnetic Spectrum

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Across

- **4.** Number of waves passing a point in a certain time.
- **12.** Detects what an item is made up of
- 14. Part of the electromagnetic spectrum that has the longest wavelength
- 15. Our biggest evidence that the universe is expanding and the big bang from a source happened
- **16.** Allows us to see the colors of the stars

Down

- **1.** Distance from a center line to the top of a crest or the bottom of a trough
- **2.** These detect infrared rays of heat
- **3.** Detect wavelengths emitted from hot stars
- **5.** Helps us detect black holes
- **6.** Energy being emitted
- 7. The distance between crests of a wave

- **8.** Range of all types of radiation.
- **9.** Part of the electromagnetic spectrum that has the highest frequency
- 10. One Earth Year
- **11.** A theory our universe began as a single atom and began a violent expansion at the speed of light
- 13. Form of energy that is all around us and takes many forms