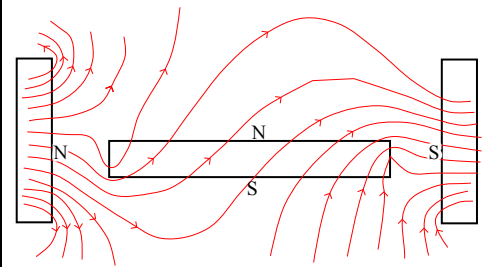
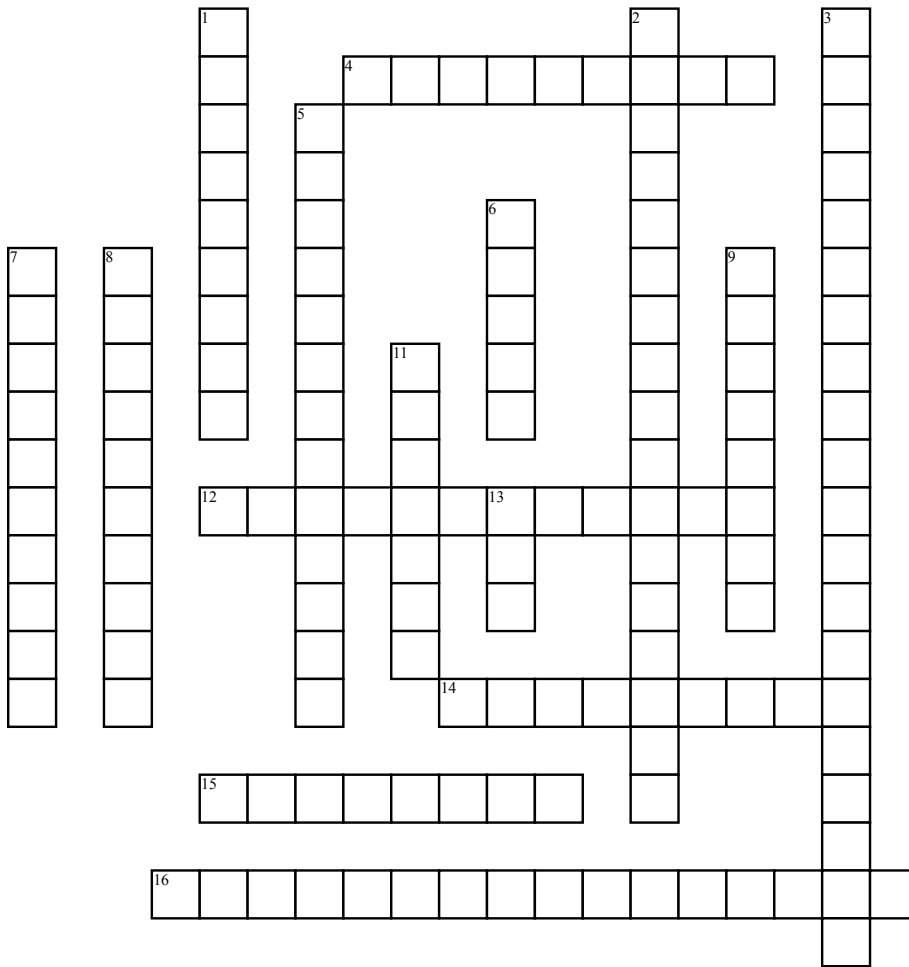


Name: _____

Date: _____

Electromagnetic Spectrum



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 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 from a source
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