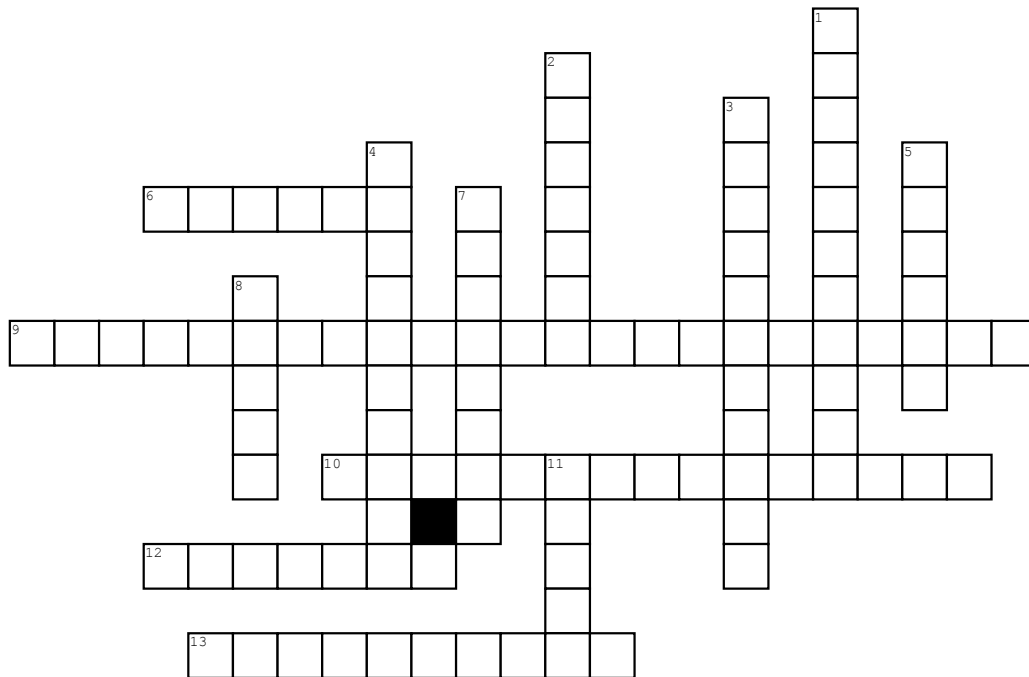


Name: _____

Date: _____

The Science of Light



Across

- 6. a material that does not allow any light to pass through, such as a wood tabletop.
- 9. All the light that we can and cannot see exists on the _____.
- 10. The band of colors refracted by a prism
- 12. tiny particles of light energy
- 13. The distance between sound waves is called the _____.

Word Bank

transparent
Electromagnetic spectrum
opaque
photons
wavelength

Down

- 1. A material that allows only some light to pass through, such as a pair of sunglasses.
- 2. To bounce off of a surface, such as light hitting a mirror.
- 3. A material that allows all light to pass through, such as a nice clean window.
- 4. This happens when light is bent as it is transmitted (think about the straw in the glass of water)

- 5. To take in, but not let out (for example, a black shirt on a sunny day will do this to the sunlight and convert it to heat on your skin)
- 7. to pass through, such as light through a glass of water
- 8. A specially shaped piece of glass that separates light into colors.
- 11. A natural or artificial form of energy that allows us to see the world around us.

reflect
refraction
transmit
light