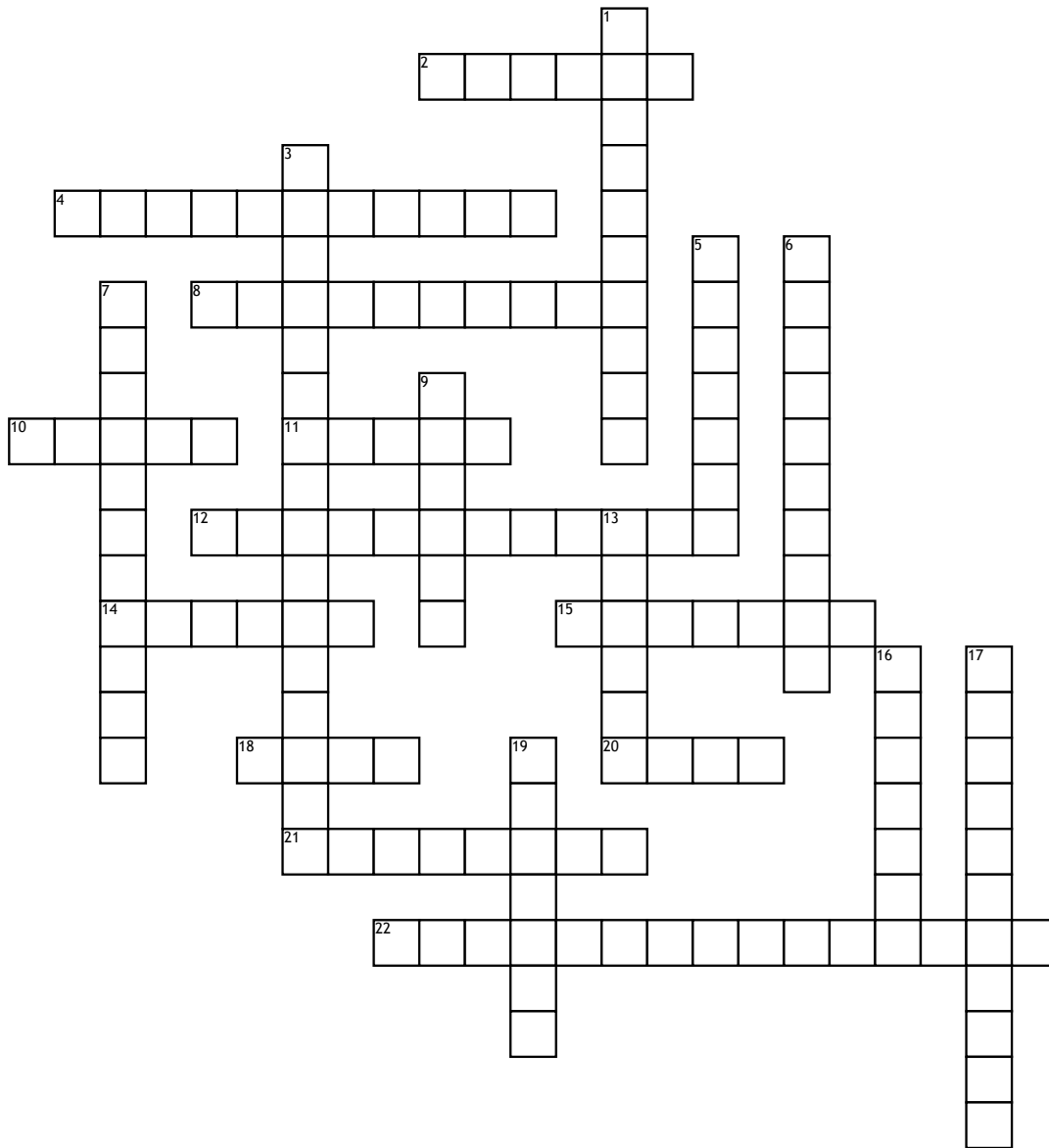


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Light & Shadows



## Across

2. Curved out, like the back of a spoon? These lenses concentrate light by bending the rays to a common point once they pass through the lens.
4. A material that lets light pass through it so that objects can be seen clearly on the other side?
8. Light that contains all the wavelengths of colour in the visible spectrum from red to violet?
10. A three-sided length of glass? Light passing through it is refracted separating the colour of white light into a spectrum of colours.
11. A form of energy? That energy emitted by the sun or by a chemical reaction to which the eye is sensitive.
12. A tube through which can be seen symmetrical patterns caused by reflections from mirrors?

14. A property of an object produced by the wavelength of light that the object reflects?
15. Nature's display of the spectrum of colours produced by the dispersion of colours as light passes through droplets of water falling from the sky during a rainstorm?
18. A shadow is shortest at this time of day?
20. To give off something as in the sun giving off light?
21. Light travels in a \_\_\_\_\_ line?
22. A band of colour that makes up visible light? Each colour is generated by a different wavelength of light, the longest being red and the shortest being violet.

## Down

1. The bending of a light ray as it passes from one medium to another?
3. These are known as "brain teasers"?
5. Curved in the inner surface of a sphere?

6. To spread out or scatter?
7. To glow or to give off light at low temperatures, as in fireflies?
9. A dark image or figure cast on the ground or some surface by an object blocking incoming light?
13. A material that does not let light pass through?
16. To bounce off of a surface, as in light bouncing off a mirror?
17. A material that allows some light to pass through making images blurry?
19. To make small things look bigger by looking at them through one or more convex lenses?