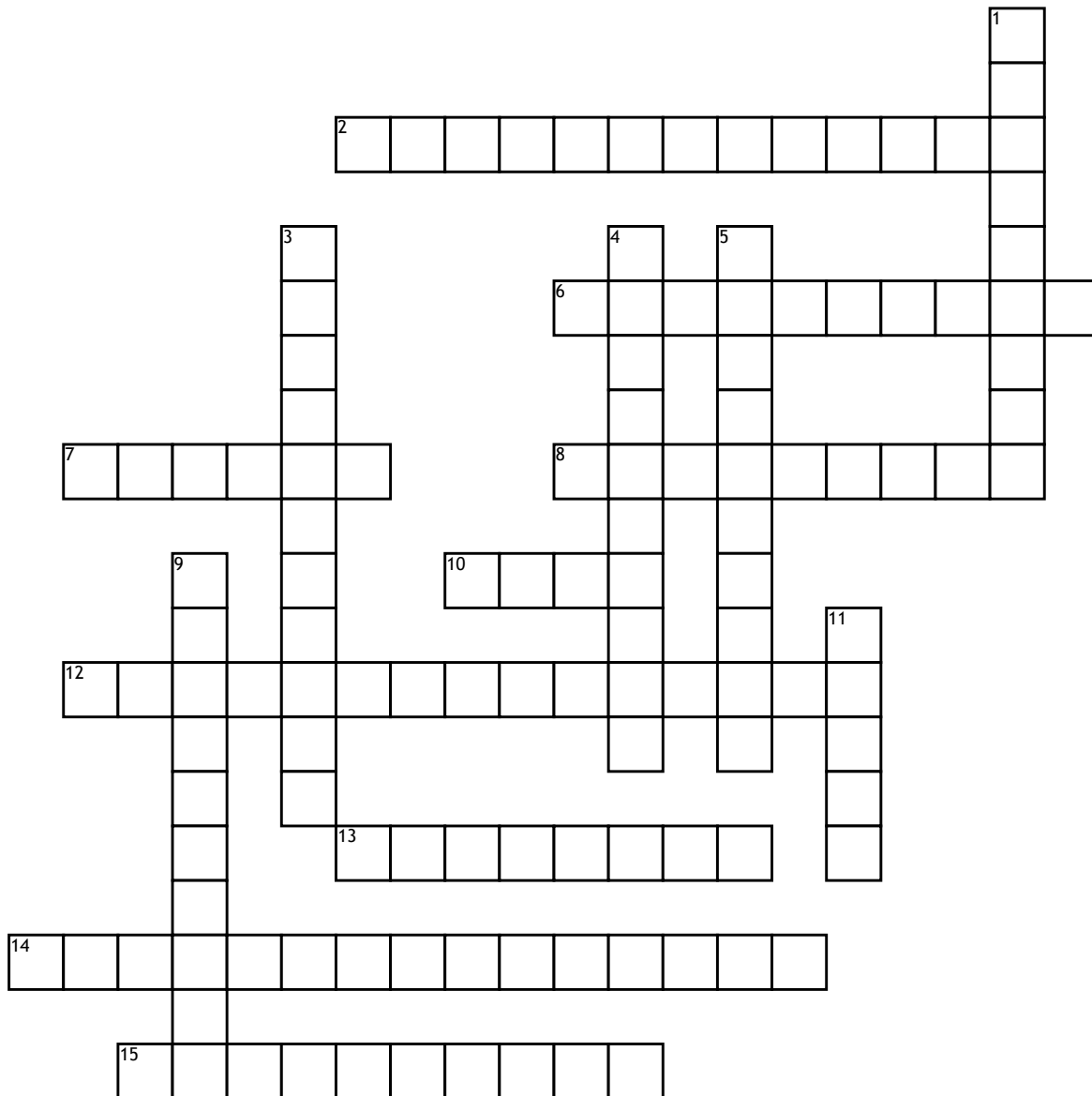


Name: _____

Date: _____

light



Across

2. any of a group of colours from which all other colours can be obtained by mixing.

6. the process or state of diverging.

7. a screen, plate, or layer of a substance which absorbs light or other radiation or selectively absorbs some of its components.

8. an optical instrument designed to make distant objects appear nearer, containing an arrangement of lenses, or of curved mirrors and lenses, by which rays of light are collected and focused and the resulting image magnified.

10. a piece of glass or other transparent material with curved sides for concentrating or dispersing light rays, used singly or with other lenses

12. a colour resulting from the mixing of two primary colours.

13. a band of colours, as seen in a rainbow, produced by separation of the components of light by their different degrees of refraction according to wavelength.

14. vision using two eyes with overlapping fields of view, allowing good perception of depth.

15. the fact or phenomenon of light, radio waves.

Down

1. an apparatus consisting of a tube attached to a set of mirrors or prisms, by which an observer

3. the process or state of converging.

4. the separation of white light into colours or of any radiation according to wavelength.

5. the throwing back by a body or surface of light, heat, or sound without absorbing it.

9. an optical instrument used for viewing very small objects, such as mineral samples or animal or plant cells, typically magnified several hundred times.

11. a glass or other transparent object in the form of a prism, especially one that is triangular with refracting surfaces at an acute angle with each other and that separates white light into a spectrum of colours.