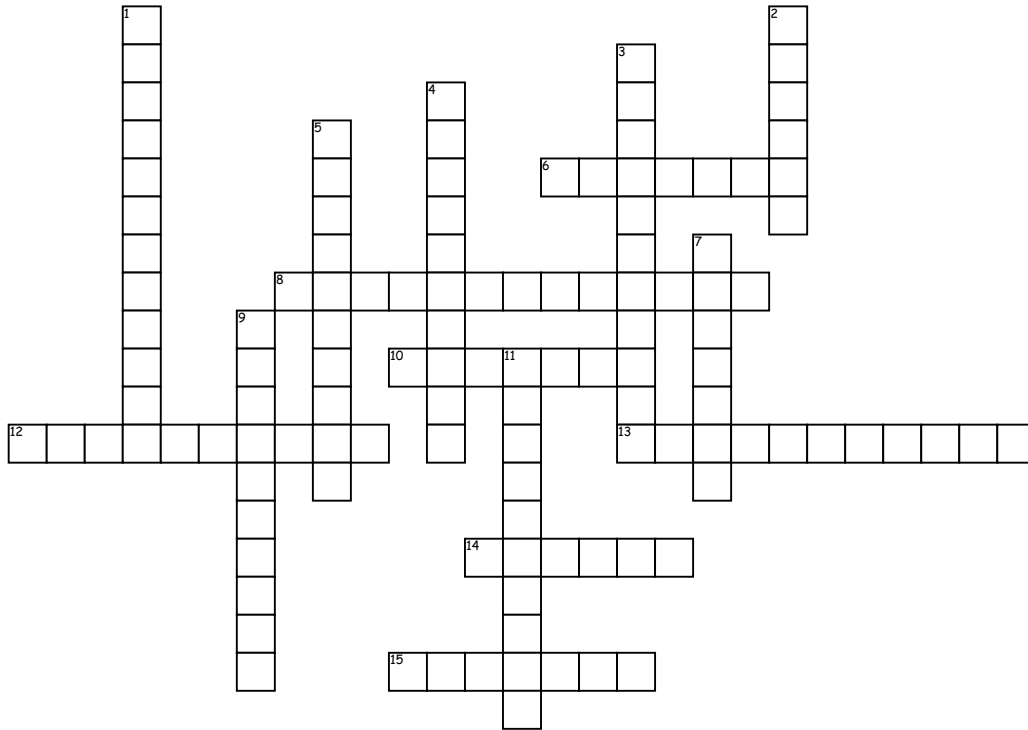


Name: _____

Date: _____

Behavior of light



Across

6. Converging lens

8. Straight Line perpendicular to a spherical mirror that divides it in half

10. The scattering of light off a rough surface is _____ reflection

12. Light passes across the boundary between two media

13. Matter that transmits light but scatters the light as it passes through it

14. Matter that does not let any light pass through it

15. Light _____ speed and direction from one medium to another

Down

1. Reflective surface that has edges that curve away from the observer

2. Diverging lens

3. Matter that transmits light without scattering it

4. Light bounces back from a surface that it cannot pass through

5. Light transfers its energy to matter rather than being reflected or transmitted by matter

7. Diverging light rays produce _____ image

9. Light bumps into tiny particles of matter and spreads out in all directions

11. Incident light rays that are parallel to the principal axis converge after reflecting from the mirror

Word Bank

Reflection

Virtual

Focal point

Convex mirror

Transparent

Scattering

Translucent

Refraction

Principal axis

Diffuse

Opaque

Changes

Convex

Absorption

Concave