

Ride the Behavior of Waves Summative Review

Test will cover entire unit, but focus on light

Types of Waves

- Mechanical
- Transverse
- Longitudinal

Vocabulary

Opaque

Transparent

Translucent

Primary Colors

Secondary Colors

Complementary Color

Additive Color mixing

Subtractive Color mixing

Diffuse Reflection

Regular Reflection

Concave (*definition and example*)

Convex (*definition and example*)

Real image

Virtual Image

How waves travel (*what is a wave? What does it transfer*)

How light waves travel

How objects interact with light

Absorption

Reflection on a smooth surface

Reflection on a rough surface

Refraction

Refraction in the real world: prisms, objects in water

What happens if you put different filters over a swatch of color? What color will be observed? Why?

What happens if you combine different colors of light? What do you see? Why?

Compare and Contrast Sound Waves and Light Waves

Examples of how we use our understanding of waves to improve the world