

LIGHT WAVES

NEXT GENERATION SCIENCE STANDARDS

Mar. 13, 2019

Day 4/120



At the end of today's lesson you will;

- *How does light interact with materials?*

Classwork-

- **Light Waves 3.5**
- *This differentiated lesson is designed to provide students with a targeted review and exploration of key concepts and ideas.*
- *Based on results from formative assessments in the Critical Juncture, students are placed in one of three groups.*
- *Although all students are engaged in similar activities throughout the lesson, each group's activity is designed to help students focus on concepts best suited to their level of progress in the unit thus far.*
- *Each group uses the Light Waves Simulation to investigate how ultraviolet light interacts with one of three different substances in the atmosphere: ozone, sulfuric acid, or carbon dioxide.*
- *At the end of the lesson, the class reconvenes to discuss their results. This discussion helps solidify students' understanding that when light hits a material, the energy from light can be absorbed, reflected, or transmitted.*

Homework-

- *Complete all of the Light Waves 3.5 Sections from today's lesson.*