

LIGHT WAVES

NEXT GENERATION SCIENCE STANDARDS

Mar. 6, 2019

Day 3/115



At the end of today's lesson you will;

- *How does light interact with materials?*

Classwork-

- **Light Waves 2.4**
- *Students now understand that the sun emits different types of light. They are ready to investigate which types of light emitted by the sun can cause skin cancer.*
- *The Warm-Up activity helps students to eliminate two types of light (gamma rays and X-rays) that are absorbed by Earth's atmosphere before they reach the surface.*
- *Students then use the Light Waves Simulation to determine whether other types of light have an effect on genetic material, and record their results in the Modeling Tool.*
- *Students observe that ultraviolet light and infrared light are absorbed by genetic material in skin cells, but that only ultraviolet light causes damage.*

Homework-

- *Complete all of the Light Waves 2.4 Sections from today's lesson.*
- *Study the new Vocabulary terms found in the Light Waves unit on QUIZLET.*