

LIGHT WAVES

NEXT GENERATION SCIENCE STANDARDS

Mar. 7, 2019

Day 4/116



At the end of today's lesson you will;

- *How does light interact with materials?*

Classwork-

- **Light Waves 2.5**
- *Students begin the lesson by investigating melanin in the Light Waves Simulation and observing that it can protect genetic material from ultraviolet light.*
- *Next, they participate in a Write and Share routine, evaluating three different evidence sources.*
- *Through group discussion, students learn from one another and deepen their understanding of how melanin protects the genetic material in skin cells from damage and reduces the risk of skin cancer.*
- *Students engage in oral argumentation as they analyze new evidence about melanin and ultraviolet light to help explain why Australia's skin cancer rate is so high.*

Homework-

- *For homework, students use the evidence they analyzed during class to write an argument that explains their findings to the Australian public.*
- *Complete all of the Light Waves 2.5 Sections from today's lesson.*
- *Study the new Vocabulary terms found in the Light Waves unit on QUIZLET.*