

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

**Light Waves Lesson 1.2**

The sun causes changes to things on Earth. Think of an object you have observed before and after it was left out in the sun. Describe how it changed.

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Skin Cancer in Australia- Look at the map and talk to your partner about what you notice. Also note any questions you may have. When you are finished discussing answer the following questions.

Which places have the lowest rates of skin cancer?

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Which places have the highest rates of skin cancer?

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What ideas do you have about WHY different places have lower or higher rates of skin cancer?

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## Evidence of Energy from Light

### Part 1: Gathering Evidence that Light Carries Energy

Work with your group to gather evidence that light carries energy, then answer the questions below.

Shine the flashlight on the liquid crystal sheet. What evidence did you observe? Be specific.

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Shine the flashlight on the solar panel of the solar-powered toy. What evidence did you observe? Be specific.

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Compare the temperatures of the test thermometer (under the light) and the control thermometer (away from the light). What evidence did you observe? Be specific.

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