

# Solar Cells

1. a. Predict what will happen if half the solar cell is covered.

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b. Predict what will happen if the entire solar cell is covered.

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c. Predict what will happen if the lamp is turned off.

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2. Observe as your teacher demonstrates what happens when the amount of light that reaches the solar cell decreases. Based on your observations, what can you conclude about how solar cells work?

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3. Describe the energy transformations that took place during the demonstration.

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4. Why is solar energy a good alternative to using fossil fuels?

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5. How could you design an experiment to test how solar energy can be used to heat water in homes?

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