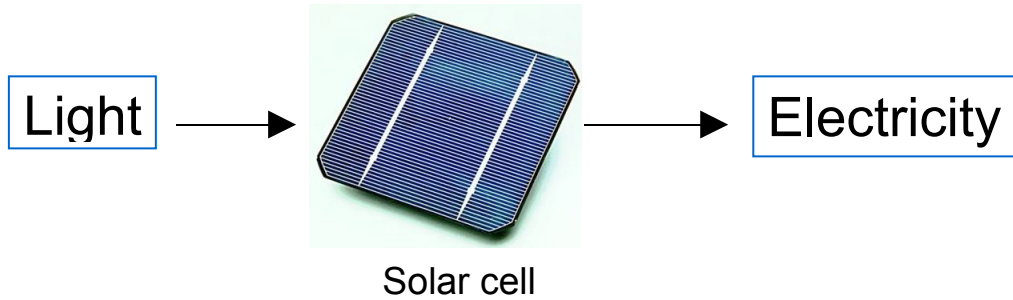


3.18 Light

Name:.....

1. Light is a form of energy. What would you use to show that light is a form of energy? \_\_\_\_\_
2. The diagram below illustrates the Law of Conservation of Energy.



Complete the following sentence using the words in the list below.

- changed*
- destroyed*
- form*
- another*
- created*

**Law of Conservation of Energy:** Energy cannot be \_\_\_\_\_ or \_\_\_\_\_ but it can be \_\_\_\_\_ from one \_\_\_\_\_ into \_\_\_\_\_.

3. What is this piece of equipment called?

\_\_\_\_\_

What is it used for? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

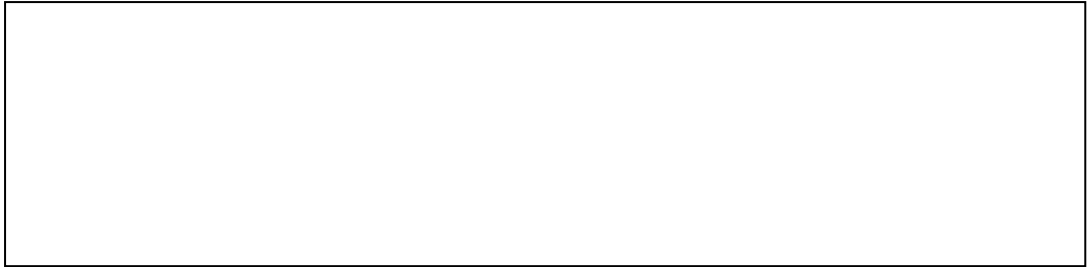


4. Underline which of the following are **luminous**.

- moon*
- light bulb*
- fire*
- window*
- sun*

5. What does **luminous** mean? \_\_\_\_\_
- \_\_\_\_\_

6. Draw a diagram of the equipment you would use to show that light travels in straight lines. Please label your diagram.



7. Describe using a diagram how a shadow is formed.

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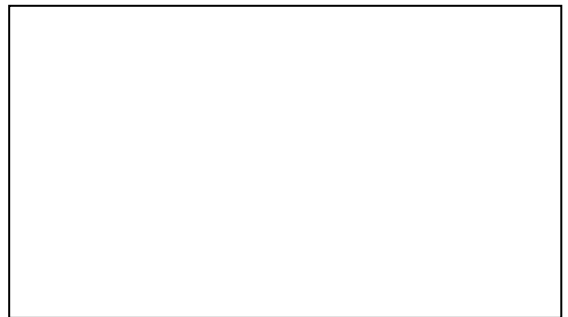
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8. Using a diagram to show your idea, design an experiment to test what happens to plants without light.



(a) List what you need:

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(b) What measurements will you make?

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(c) Predict what will happen in your experiment.

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(d) How accurate do you think your method will be?

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