

sheet and felt.

ELEM, Unit 22, Physical Science, Exploring Light and Sound Lesson 28, Science Experiment, What Will Block the Light?



5. Repeat steps 3 and 4 with dryer

- 3. Hold plastic wrap in front of flashlight.

2. Turn on flashlight and shine it

on wall.

1. Dim light in classroom.

Step 3: Do an Experiment















Step 4: Organize Data



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Step 5: Find the Conclusion



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Explanation:

• The plastic wrap, dryer sheet and felt look and feel different. They are made of different materials. Light can move through some materials. Light cannot move through other materials.

The plastic wrap is clear. You can see through it. You shined the flashlight on the plastic wrap. A lot of light shined through. This means light can move through plastic wrap.

The dryer sheet is not clear. You can see through it some, but everything looks blurry. You shined the light on the dryer sheet. Some of the light shined through. Some light was blocked. This means some light can move through a dryer sheet.

The felt is not clear. Some felt is very hard to see through. Some felt you cannot see through at all. You shined the light on the felt. Very little or no light shined through. Felt blocks most or all of the light. This means most light cannot move through felt.







Extension:

 Use different everyday items, such as paper, tissues and a book to compare how light from a flashlight passes through each item. Also, use a flashlight to create a shadow of a small figurine or toy. Place different materials between the flashlight and figurine or toy to see how light passing through the material changes the shadow.







