

Can You See Through Me?

Name: _____

Student worksheet

Date: _____

1. Investigation

To test each material, you will:

- Choose an object, bring it back to your group, and place it on the table.
- Select a material sheet and wrap it around one opening of the cardboard tube.
- Secure the material sheet with a rubber band.
- Predict what you will see through the cardboard tube in the data table below.
- Look at the chosen object through the unwrapped opening of the cardboard tube.
- Record your observations in the data table below.

2. Predictions and Observations

- Put an X to show how you think the object will look and how it does look.

PREDICTIONS and OBSERVATIONS				
Material Sheet		Sharp 	Blurry or Bright 	Dark 
	How do you think it will look?			
	How does it look?			
	How do you think it will look?			
	How does it look?			
	How do you think it will look?			
	How does it look?			
	How do you think it will look?			
	How does it look?			
	How do you think it will look?			
	How does it look?			

- b. Group the material sheets by how much light they let pass through. Color them in your data table. Use these colors:
- Green for materials that let all or most light pass through (transparent).
 - Yellow for materials that let some light pass through (translucent).
 - Red for materials that let no light pass through (opaque).