

What Do You See?

Name: _____

Student worksheet

Date: _____

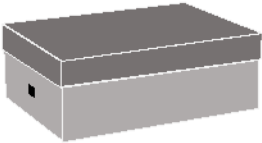
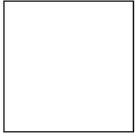
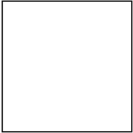
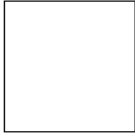
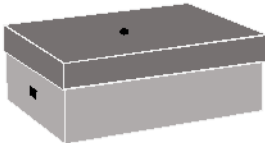
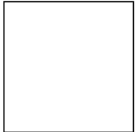
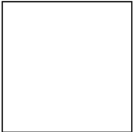
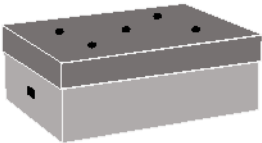
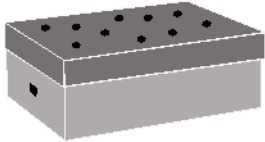
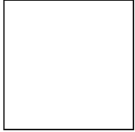
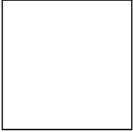
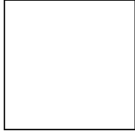
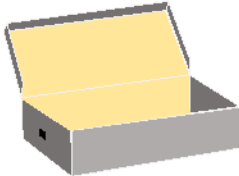
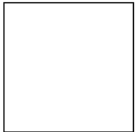
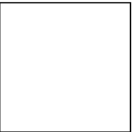
1. Investigation

Follow these steps to investigate how you see your 3 objects inside the box:

- a. Open the box.
- b. Choose one of the objects. If it is a light-up object, make it light up before you place it in the box.
- c. Stick the object onto the double-sided tape.
- d. Close the box. Make sure all the gaps are closed or taped so no light gets into the box.
- e. Predict what you will see inside the box.
- f. Look through the viewing window with one eye to see what is inside the box.
- g. Record your observations in the chart on this worksheet.
- h. Remove the object from the tape and repeat steps a.-g. with the other objects.
- i. Poke one hole into center of the box lid with the sharp pencil and repeat steps a.-h.
- j. Repeat the experiment with a total of 5 holes and then 10 holes in the lid of the box.
- k. Open the lid of the box and repeat the experiment once more.

2. Observations and Results

- CROSS out the square if you do not see anything.
- CIRCLE the square if you see the object.
- COLOR the square if you see the color of the object.
- TRACE the square if you see the shape of the object.
- DRAW a sun next to the square if the object makes its own light.

	Object 1: _____	Object 2: _____	Object 3: _____
Box with no holes 	What do you see? 	What do you see? 	What do you see? 
Box with 1 hole 	What do you see? 	What do you see? 	What do you see? 
Box with 5 holes 	What do you see? 	What do you see? 	What do you see? 
Box with 10 holes 	What do you see? 	What do you see? 	What do you see? 
Box with open lid 	What do you see? 	What do you see? 	What do you see? 