

3– 5 Physical Science
Southern Nevada Regional Professional Development Program



Light and Shadows

MATERIALS

Dark room
Flashlight
Book, spoon, pencil, jar, marbles, ruler, paper, rock

PROCEDURES

1. In a dark room shine a light onto each object. Which objects let the light through? Which objects do not let the light through?
2. Some things let the light through. You can see clearly through these things.
3. Some things let light through but they scatter the light. If you look through these things everything looks blurred.
4. Many things do not let any light pass through them. You cannot see through them. They are said to be opaque.

Nevada State Science Standard

P.5.C.1 – *Students know that light can be described in terms of simple properties (e.g. color, brightness, reflection).*