

Lab Sheet: Make a Rainbow

Materials needed	<ul style="list-style-type: none">• a glass container• water• a small mirror• flashlight or sunlight• wall or white paper
Hypothesis – what do you think will happen?	
Procedure	<ol style="list-style-type: none">1. Fill a glass container halfway with water.2. Place a small mirror inside the container of water on an angle. Make sure that half of the mirror is out of the water and half of the mirror is in the water.3. Use a flashlight to shine light into the mirror or place the container in bright sunlight.4. Using white paper or a surface, find out where the light is being reflected. Observe how the light appears.5. Move the container of water gently. Observe how the light is affected.

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Observations *Remember observations can be recorded with pictures, numbers and/or words!	
Conclusions	
Questions	<ul style="list-style-type: none">• What causes the light to bend or refract?• What is the difference between reflection and refraction?• Where else might you find rainbows?