**Predict and Check Prediction:**

**Water Maginifying Glass**

**What you need:**

Clear plastic Lid or small ziplock bag

Water dropper or spoon

Water

Newspaper article

**Question**: Can water act as a magnifying glass?

**What do you predict?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Check your Prediction:**

1. Put a newspaper article under a plastic lid or ziplock bag
2. Use a water dropper or spoon to make a drop on the flattened lid
3. Look at the newspaper article through the plastic lid.
4. What do you observe?

**Explanation:**

A lens works because of the property called refraction.  The light travels slower in water than in air.  Therefore, it bends when it hits water just like it bends when it hits glass.  If you somehow get water to take the appropriate lens-like shape, it can form images just like glass.

**For more information:**

<http://www.exploratorium.edu/snacks/water_sphere_lens/>

<http://www.thenakedscientists.com/forum/index.php?PHPSESSID=dohjhkjdjprku9obprna7va882&topic=39420.msg356564#msg356564>

https://www.youtube.com/watch?v=GmyHcH9KTiY