***Wave Properties Activity*** Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Score \_\_\_\_\_\_\_\_\_/ 20 points**

**OBJECTIVE**

To find and describe real life examples of the wave behaviors discussed in class.

**MATERIALS:**

* old newspapers and magazines
* scissors
* construction paper
* plain white paper or notebook paper
* glue stick or tape

**PROCEDURE**

1. Review the wave behaviors discussed in class:
   1. Reflection
   2. Absorption
   3. Refraction
   4. Diffraction
   5. Interference
2. Use the old newspapers and magazines to find a picture or photograph that represents an example of ***each*** of the wave properties listed above. One picture can show more than one wave property! In fact, with critical thinking, you may be able to find a single picture that shows an example of ***all***the wave properties.
3. Once you have selected pictures or a picture to represent each of the wave properties, you need to justify your picture choices.
4. For each picture, use the plain white paper to write down:
   1. which wave property the picture shows
   2. where it is shown in the picture specifically
   3. and why this is a correct example of the wave behavior.
5. Next, for each picture, glue the picture onto the front of a piece of construction paper. Glue the corresponding white paper with your description underneath the construction paper. Make sure your name is on each piece of construction paper you turn in!
6. You will be graded on neatness and accuracy.