

Name _____

Date _____

LIGHT AND OBJECTS

Did you know that light interacts with the world in three different ways? The way light passes through objects can be transparent, translucent, or opaque.

Transparent means that light can pass through an object uninterrupted, as if the object is not even there.

Translucent means that light can sort of pass through. The light is somewhat clear but hazy when it hits the object. **Semi-transparent** is another word for **translucent**.

Opaque means that when the light hits an object, it will not pass through it. Another word for **opaque** is **obscured**.

Use a flashlight and try to shine a light through the objects listed below. Circle if the light is transparent, translucent, or opaque. Describe what happens when you try to shine the light through the object.

1) **Cardboard** : Transparent / Translucent / Opaque

Describe: _____

2) **Plastic Wrap** : Transparent / Translucent / Opaque

Describe: _____

3) **Tissue Paper** : Transparent / Translucent / Opaque

Describe: _____

4) **Drinking Glass** : Transparent / Translucent / Opaque

Describe: _____

5) **Your Hand** : Transparent / Translucent / Opaque

Describe: _____