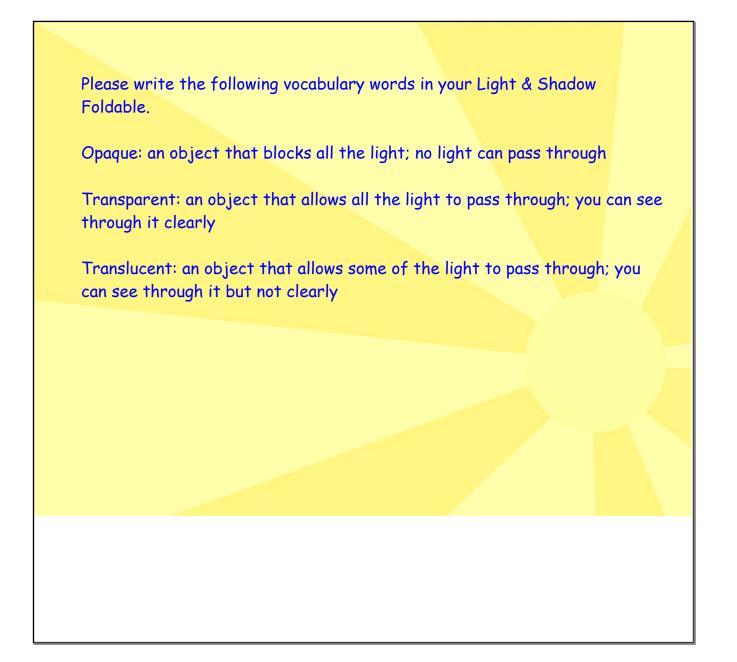
Vocabulary:

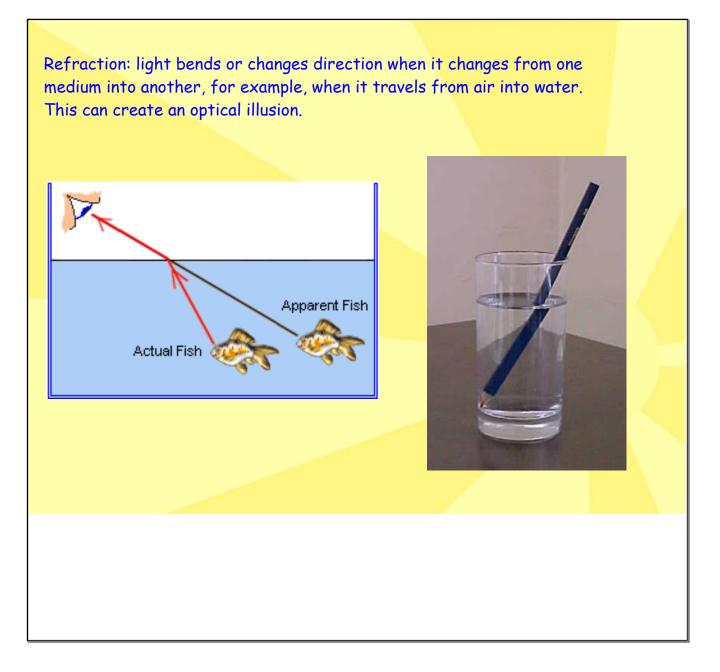
<u>Light:</u> a kind of energy that helps us see. This includes man-made sources of light (examples: a lightbulb, a glowstick) as well as natural sources of light (examples: some mushrooms, the sun, the moon).

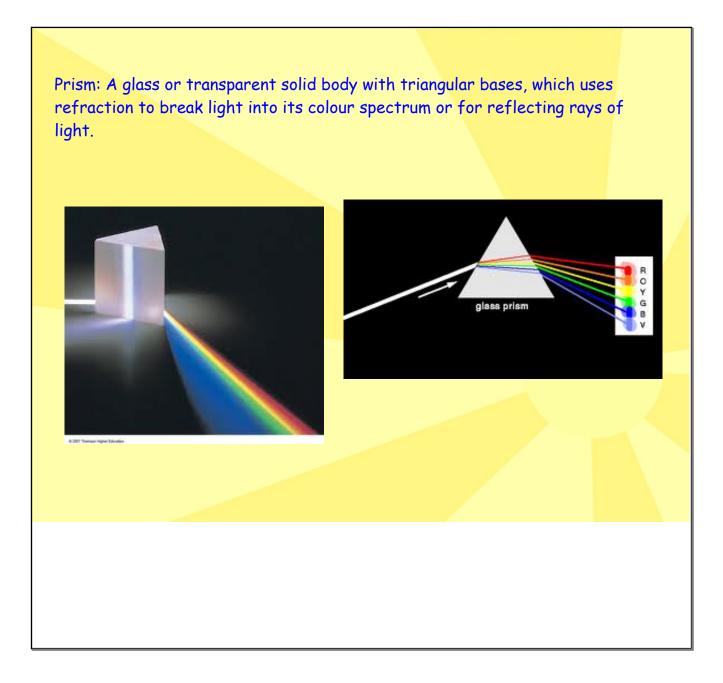
<u>Emit:</u> an object that <u>emits light</u> produces its own light (examples: stars, sun, a lightbulb, fire); an object that <u>emits</u> light will also produce heat.

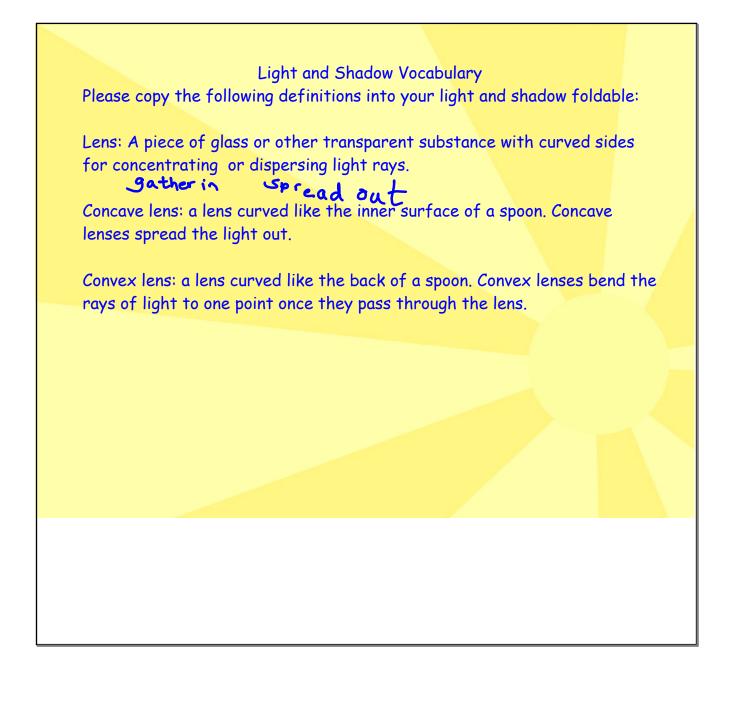
<u>Reflect:</u> When an object is reflective, it allows light to bounce off of it. An object that produces light by <u>reflecting</u> cannot emit its own light. Rather, it depends on another light source to reflect and create light. For example, the sun shines on the moon to produce light- the moon cannot produce its own light.

Luminescent: An object that is <u>luminescent</u> produces light through a chemical or physiological (involving the body) reaction. A luminescent object produces light but no heat (examples: mushroom, jellyfish, fireflies, glowstick).









Discussion:

Lens: A piece of glass or other transparent substance with curved sides for concentrating or dispersing light rays.

Where do you see lens in our environment?

Concave lens: a lens curved like the inner surface of a spoon. Concave lenses spread the light out.

What are some examples of concave lens in our environment?

Convex lens: a lens curved like the back of a spoon. Convex lenses bend the rays of light to one point once they pass through the lens.

What are some examples of concave lens in our environment?

