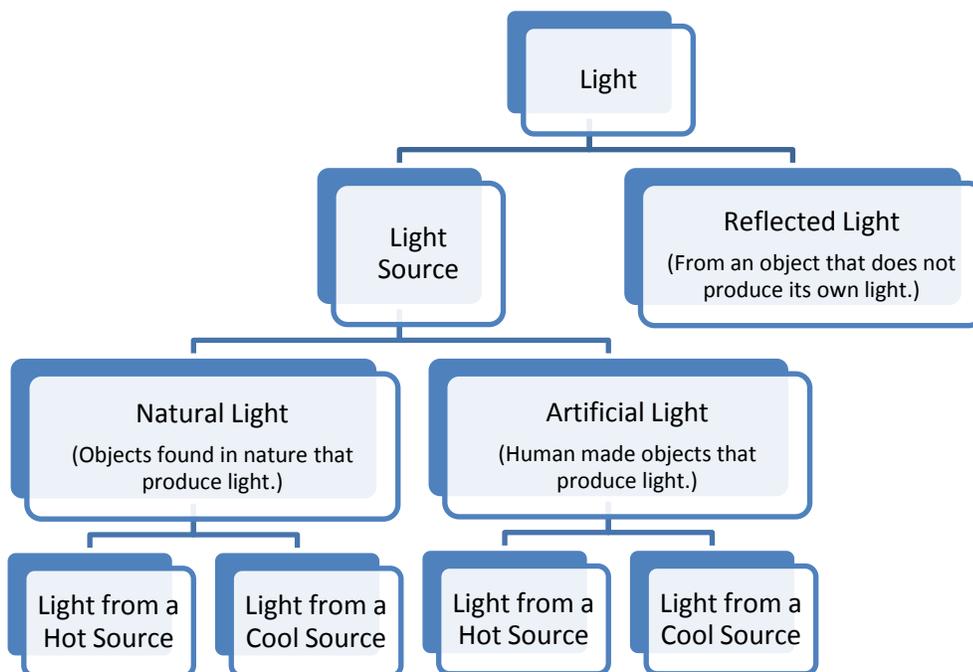


Name: _____

Date: _____

LIGHT SOURCES

The light we see can be divided into two categories: Light sources and reflected light. The sources of light can then be looked at in two sub categories: Natural light sources and artificial light sources. Both of these types of light sources can either come from hot sources or from cool sources. The organizer below will help you to follow this organization.



Your task is to use this information to fill in the chart on the back of this page. For the column labelled “How does this object produce light?” choose one of the sentences below:

- Raindrops in the air act like prisms, splitting sunlight into different colours.
- Flammable substances combine with oxygen and burn.
- A sudden flow of electricity from a thundercloud to the earth.
- Mercury, a gas inside the tube, gives off energy seen as light.
- Illuminated by the sun, and reflects light down to the earth.
- Gas particles collide and give off extreme amounts of energy.
- An electron gun fires electron beams rapidly at the screen.
- Electricity flows through a thick metal coil, which burns red hot.
- Certain chemical containing organs in the body use energy to produce light.

Object	Source/ Reflected	Natural/ Artificial	Hot/Cool	How does this object produce light?
Television Screen 	Source	Artificial	Cool	An electron gun fires electron beams rapidly at the screen.
Stars 	Source	Natural	Hot	Gas particles collide and give off extreme amounts of energy.
Neon Sign 	Source	Artificial	Cool	Mercury, a gas inside the tube, gives off energy seen as light.
Fire 	Source	Natural	Hot	Flammable substances combine with oxygen and burn.
Fire-Fly 	Source	Natural	Cool	Certain chemical containing organs in the body use energy to produce light.
Lightning 	Source	Natural	Hot	A sudden flow of electricity from a thundercloud to the earth.
Stove Element 	Source	Artificial	Hot	Electricity flows through a thick metal coil, which burns red hot.
Moon 	Reflected	Natural	Cool	Illuminated by the sun, and reflects light down to the earth.
Rainbow 	Reflected	Natural	Cool	Raindrops in the air act like prisms, splitting sunlight into different colours.