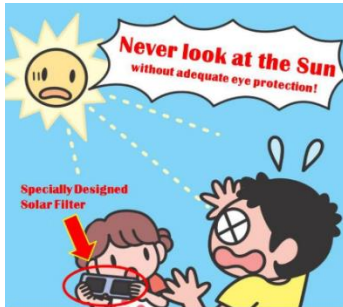


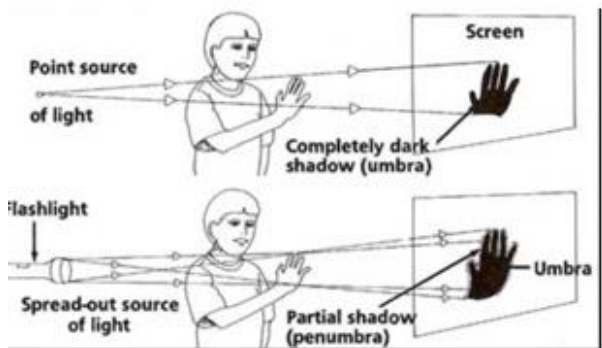
Key Diagrams Scientists/Interesting Facts

Never look directly at the sun, it can damage your eyes. Light from the sun can be dangerous and your eyes must be protected



Light Reflection

When a beam of light is reflected from a surface, it changes direction. Smooth, shiny surfaces such as polished metals reflect light well. Rough and dark surfaces do not reflect light well.



Key Information

1. Light is a form of energy that enables us to see all the things around us.
2. The main source of light on earth is the sun.
3. Light moves in straight lines.
4. Darkness is the absence of light.
5. Night is caused by the Earth blocking the light from the Sun
6. Light is reflected from surfaces.
7. Shadows are formed when objects block a source of light.
8. The size of a shadow depends on the angle at which the light is falling on the object.
9. When light hits an object, it is reflected (bounces off) and enters our eyes and sends a signal to the brain. This is how we see the object.
10. When light hits a smooth surface it reflects well. When light hits a rough and dark surface it does not reflect well.

Vocabulary

| | |
|--------------------|---|
| Source | The source of something is the person, place, or thing which you get it from. |
| Reflect | Light is thrown back when it hits an object. |
| Visible | If something is visible, it can be seen. |
| Ray | Rays of light are narrow beams of light. |
| Beam | A ray or shaft of light. |
| Glare | Shine with a strong of dazzling light |
| Opaque | Not able to be seen through. |
| Translucent | Allowing light, but not detailed shapes, to pass through. |
| Transparent | Allowing light to pass through so that objects behind can be distinctly seen. |
| Illuminate | Light up |

