

practical activities

Why do shadows move?

To do this we will need:

An Apple to be Earth

Small stick

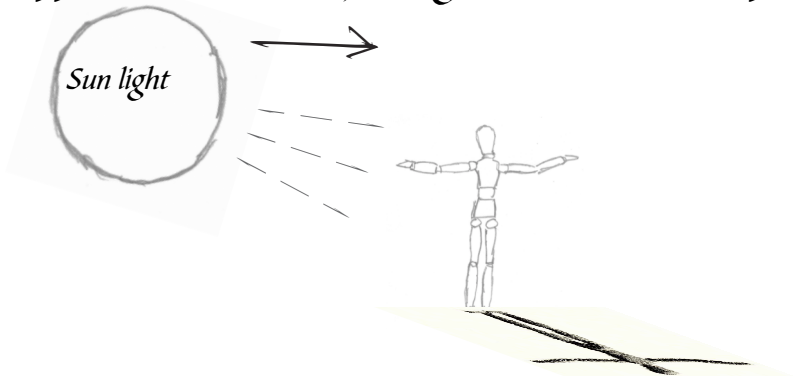
Light to be the Sun

A person

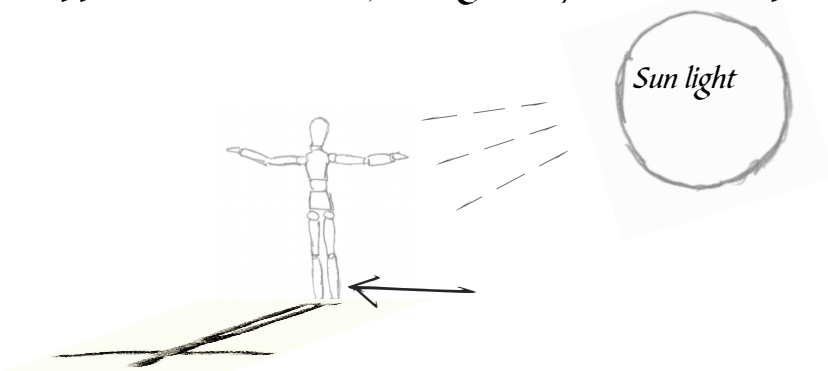
Try this:

Stand a person still and shine the light to cast a shadow.

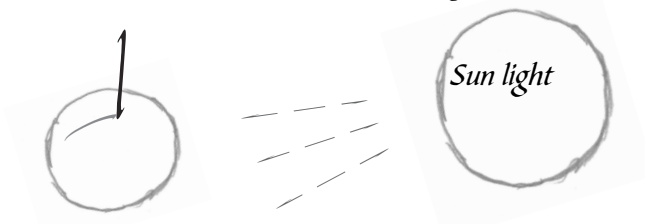
What happens to the shadow if the light moves around the person?



What happens to the shadow if the light stays still and the person moves around?



Stick a pin in the apple hold it still and move the light around it. What happens to the shadow?



Try holding the light still and spinning the apple slowly. What happens to the shadow? Imagine the apple is the Earth and we are on it what would we see happening to the shadow? Could it be the Earth is moving and not the sun?