

Light and Shadow

1. Why does the moon appear brighter at night?

2. How is a shadow formed?

3. What happens when light hits a mirror?

4. Does light only travel in a straight line or can it bend?

5. Why is the sun so important to life on earth?

6. What does it mean when a material is opaque?

7. What does transparent mean?

8. List all the light sources you know.

9. Make a silhouette of a friend's head using a projector. How can you change the size of the shadow?

10. What happens to a shadow when you move the object towards the light source?

11. Is it possible to see without light?

12. Can you see reflective material without light? Why?

13. Why is your shadow sometimes in front of you and sometimes behind you?

14. Draw three different light sources and label the brightest.

