

# Light and Shadows Question Worksheet

Name \_\_\_\_\_

Date \_\_\_\_\_

1. Why does the moon appear brighter at night?  
\_\_\_\_\_  
\_\_\_\_\_

2. How is a shadow formed?  
\_\_\_\_\_  
\_\_\_\_\_

3. What happens when light hits a mirror?  
\_\_\_\_\_  
\_\_\_\_\_

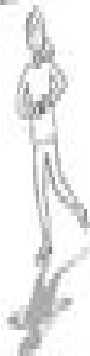
4. Does light only travel in a straight line or can it bend?  
\_\_\_\_\_  
\_\_\_\_\_

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.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



# Light and Shadows Question Worksheet

Name \_\_\_\_\_

Date \_\_\_\_\_

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 it 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 which is the brightest.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

--	--	--