

Light and Shadow Walk

Take a light and shadow walk around your neighborhood. Observe how the available light sources create shadows. Answer the following questions:

1. Where are the shadows?
2. What shapes are the shadows?
3. Are there any shadows that overlap?
4. What causes the shadows?
5. Are they always the same?

Then use a flashlight to create your own shadows. Answer the following questions about your observations:

1. How do the shadows change when you move the flashlight?
2. How are the shadows created with a flashlight similar to or different from shadows created with other types of light sources?
3. On the back, draw some of the shadows that you have seen.