



Shifting Shadows

Objects that block light cast shadows. Does a shadow always fall in the same place? Try this activity and see for yourself.



What you need:

flashlight • paper cup • piece of white paper • a dark place



What you do:

1. Look at the way the flashlight is being held in the pictures. Where do you think the cup's shadow will fall? Circle the picture.



2. Now put the paper cup on the paper. Hold your flashlight in the same way. Where does the shadow fall? Circle the picture. Was your guess right?



3. Can you make the shadow fall in the places shown below? Use your flashlight. Mark an X over each picture to show where you held the flashlight to make each shadow.



Shadows on the Move: When you play outside, your shadow looks different at different times of the day. Why do you think this is so?