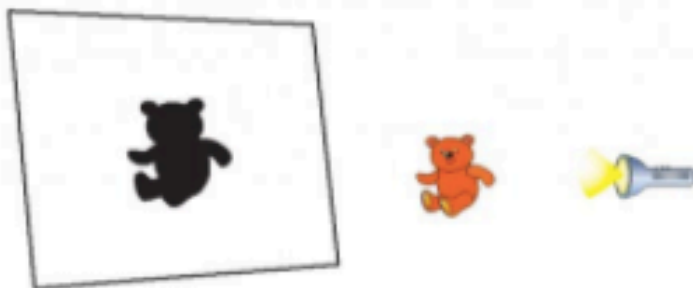


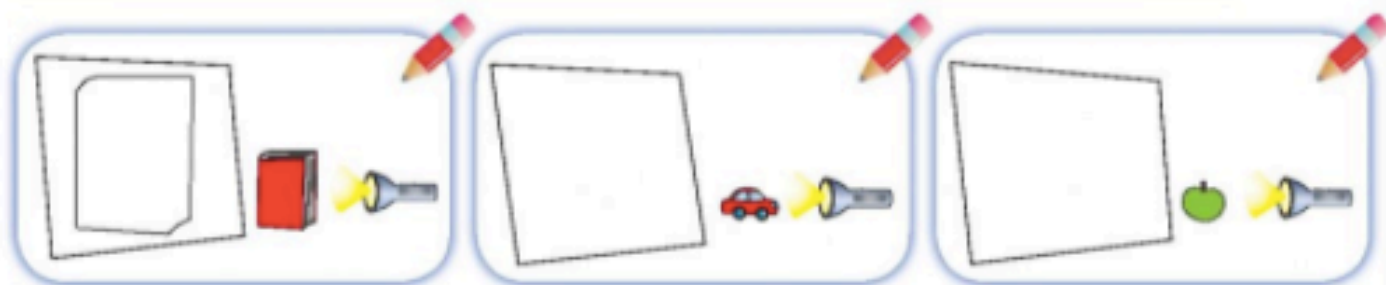


What Is a Shadow?

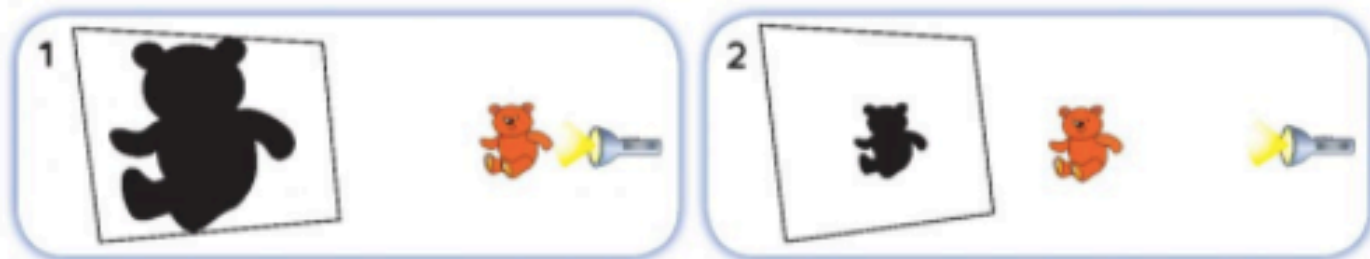
When an object blocks out light, we get a shadow. The object must be opaque to make a shadow. An opaque object is one that no light can get through, such as a teddy or an apple. A transparent object does not make solid shadows because it lets light through. A glass is a transparent object, so is a clear plastic bag.



A Shade in or draw the shadow that each opaque object makes.



B What is the difference between these two pictures?



C Shade in the shadow the sun makes at different times of the day.

When the sun shines on opaque objects it makes shadows. It makes the longest shadows at the beginning and at the end of the day. The sun is low down in the sky at these times (close to Earth). The sun makes the shortest shadows in the middle of the day, when it is high up in the sky (farther away from Earth).

