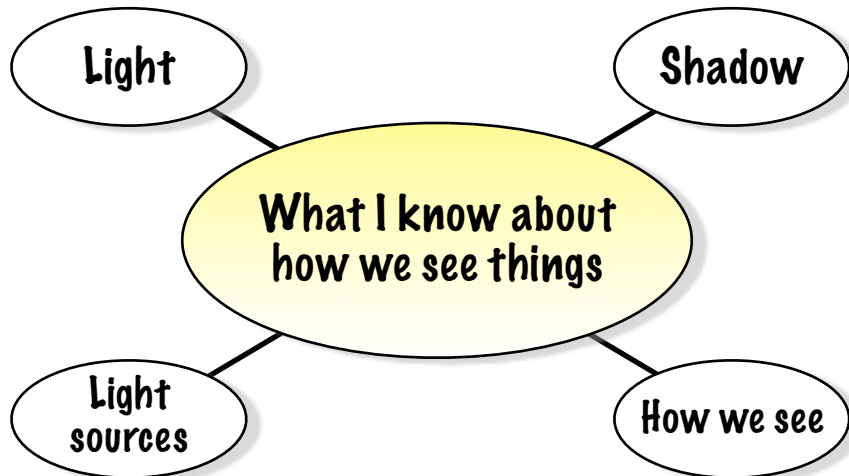


Name: \_\_\_\_\_ Date: \_\_\_\_\_

light shadow shade reflection reflect block travel



source mirror sun opaque transparent translucent

Name: \_\_\_\_\_ Date: \_\_\_\_\_

**Light and Shadow**

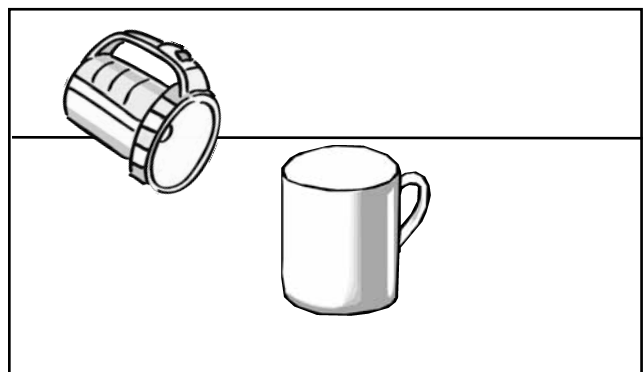
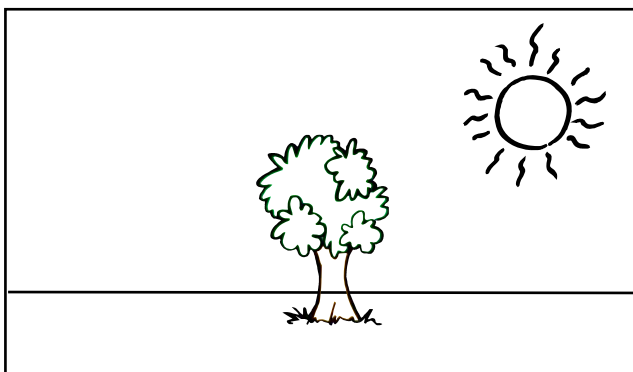
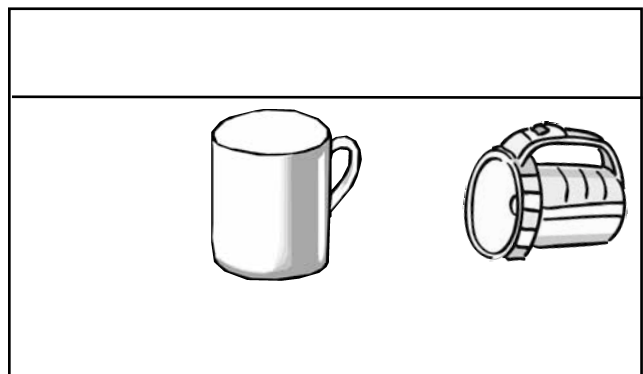
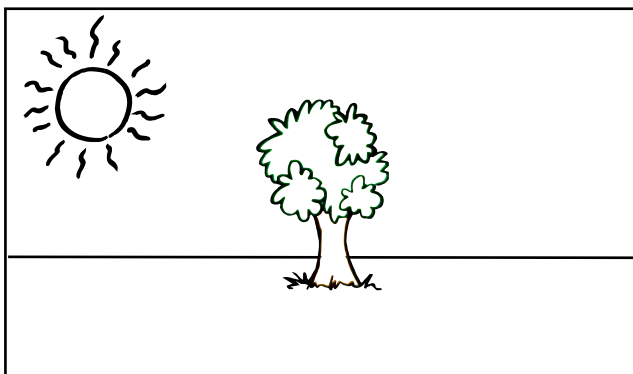


Use the words below to help you fill in the gaps for these sentences about light and shadow:

Light always come from a \_\_\_\_\_ and travels in a \_\_\_\_\_ line. Our major natural light source is the \_\_\_\_\_. Some objects look as though they are producing light but really they are just \_\_\_\_\_ the sun's light. The \_\_\_\_\_ is not a light source but it reflects the sun's light so it looks as though it is glowing. If something \_\_\_\_\_ the light's path, a \_\_\_\_\_ is formed. Shadows are \_\_\_\_\_ because the object does not allow the \_\_\_\_\_ to travel through it.

light	shadow	straight
sun	blocks	moon
source	reflecting	dark

Can you draw the shadows in the correct position on these diagrams?



Name: \_\_\_\_\_ Date: \_\_\_\_\_

## Light and Shadow



Name some natural light sources:

Name some artificial light sources:

Explain how light travels:

What are shadows and how are they formed?

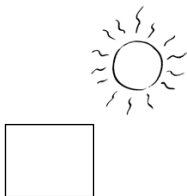
Can you write a definition for each of these words:

➔ **Transparent**

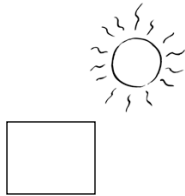
➔ **Translucent**

➔ **Opaque**

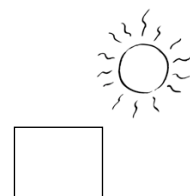
How would the shadow in these pictures be different if the object was transparent, translucent or opaque? Draw the shadow for each one:



transparent  
object



translucent  
object



opaque  
object

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Light and Shadow



Use the words below to help you fill in the gaps for these sentences about light and shadow:

Light always come from a source and travels in a straight line. Our major natural light source is the sun. Some objects look as though they are producing light but really they are just reflecting the sun's light. The moon is not a light source but it reflects the sun's light so it looks as though it is glowing. If something blocks the light's path, a shadow is formed. Shadows are dark because the object does not allow the light to travel through it.

light	shadow	straight
sun	blocks	moon
source	reflecting	dark

Can you draw the shadows in the correct position on these diagrams?

