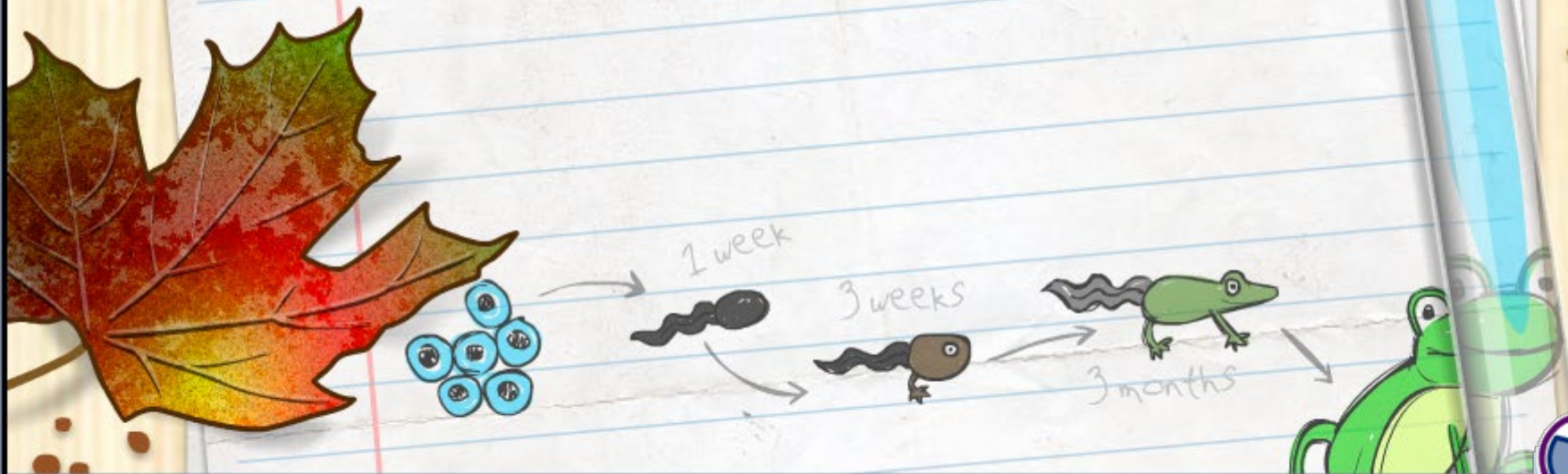


# Shadows



# Shadows



# Shadows



# Shadows



# Shadows



# Shadows

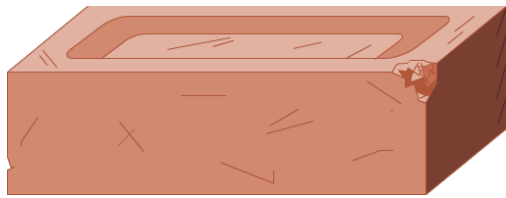


# Shadows



Look closely at the objects below.

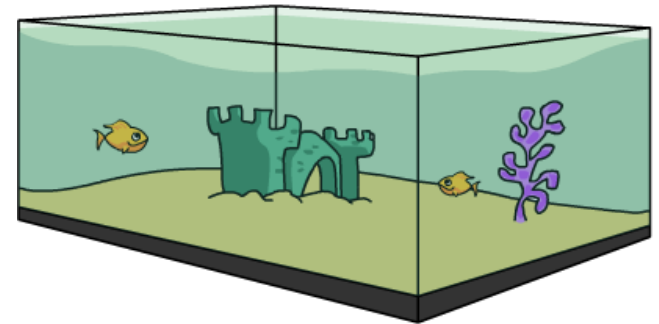
- What material is each object made from?
- If we shine a flashlight on each object, which ones will let the light travel through them and which ones will not?



brick



lampshade



fish tank

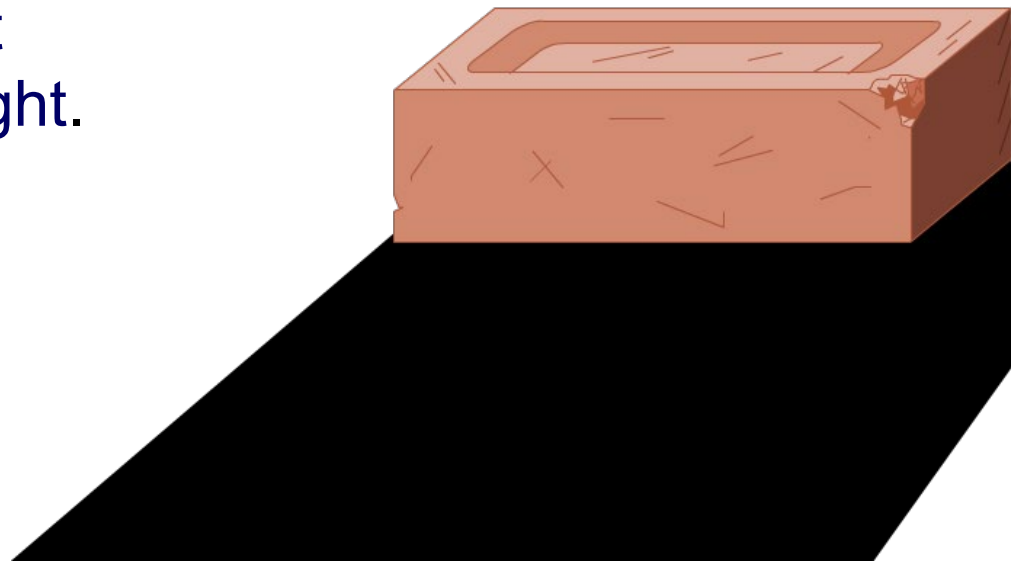
Think about how much light each material would let through.





Materials that do not let any light pass through them are called **opaque**.

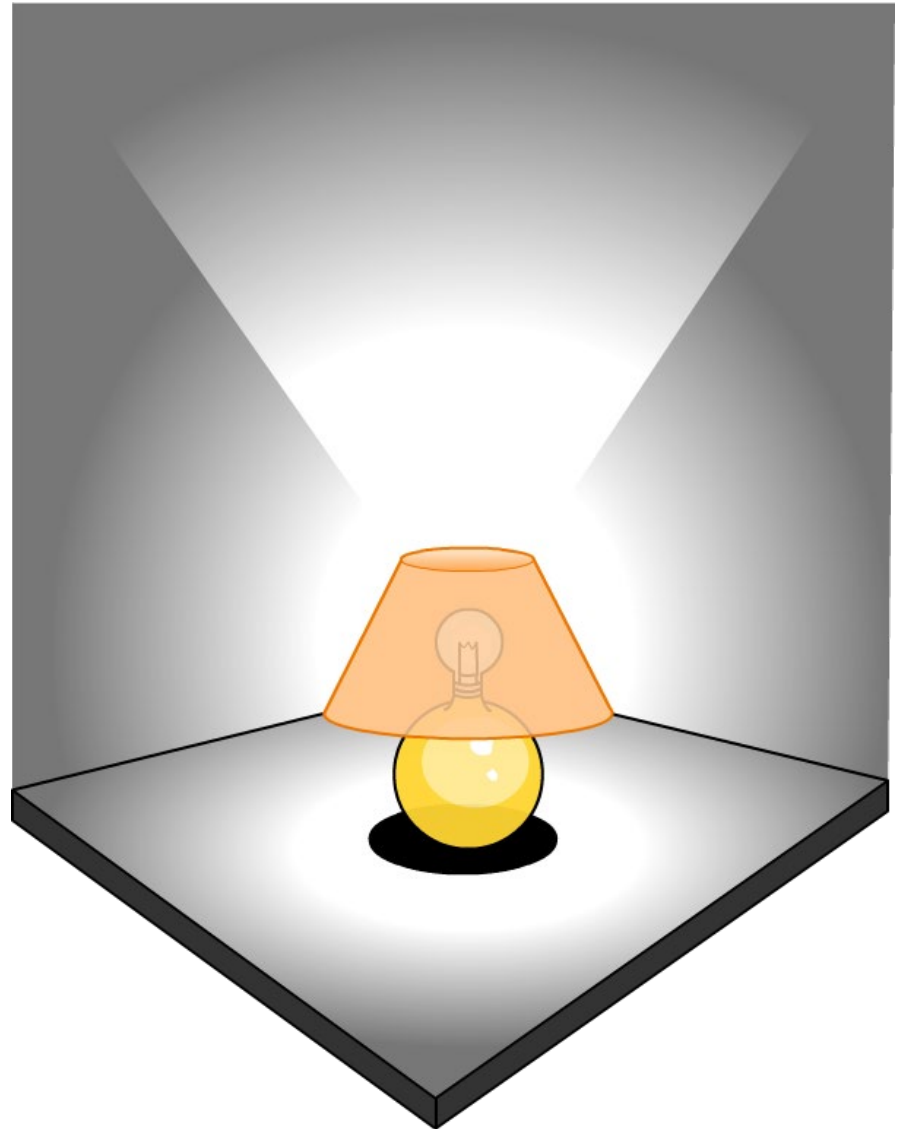
The brick is opaque. You cannot see through it and it blocks out all light.



Materials that let some light pass through them but are not see-through are called **translucent**.

Translucent materials block out some light, but not all of it.

This lampshade is made of a translucent material so that the room is lit, but not too brightly.

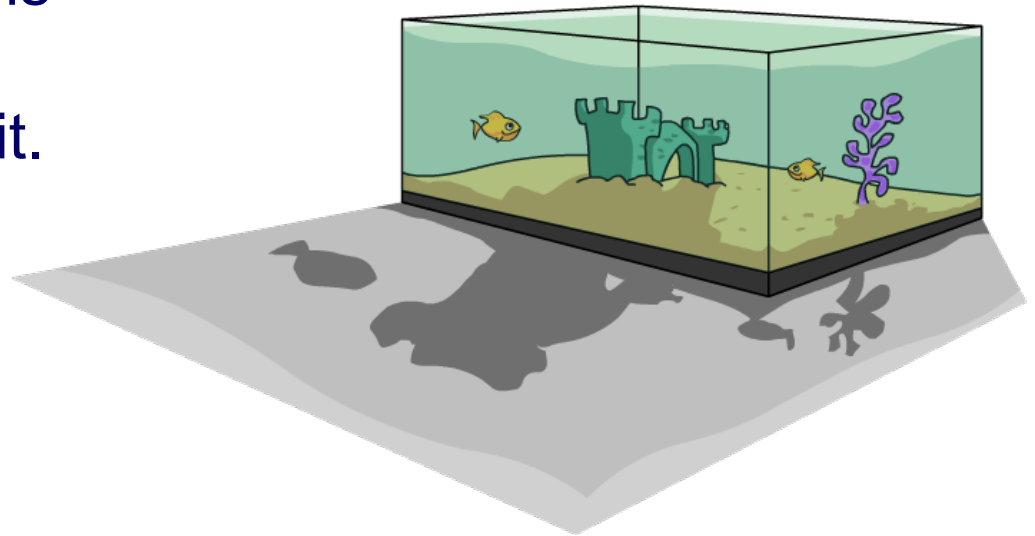


Materials that are see-through and let almost all light pass through them are called **transparent**.



The glass in this fish tank is transparent because it is clear, colorless and you can see straight through it.

Light passes through transparent materials very easily.



# Shadows

