

## Shadow Testing!

Different types of object make different types of shadow. Have you remembered the three different names we use to describe whether an object lets light pass through it or not? The answers are at the bottom of the page!

Find a selection of different objects. Try to choose three of each different type. Write them in the table below and predict which objects will let most of the light through, which ones will let some light through and which ones will not let any light through at all! Remember to use the correct scientific vocabulary from the bottom of the page. Once you have recorded your predictions on the sheet, you need to test your ideas! You can take your objects outside into the sunshine if it's sunny, or use a torch inside. Remember to record your results and see if you were right.

Object	Prediction	Result

How did you do? Can you try any different objects? Can you challenge other people to guess whether an object is opaque, translucent or transparent?

**Opaque** objects don't let any light through at all.

**Translucent** objects let some light through.

**Transparent** objects let most of the light through.