

Shadow investigation

You are going to investigate how shadows change during the day. To do this you will draw around the shadow of an object at different times of the day.

For this you need:

a sunny day

a sunny place

a piece of chalk, or a large piece of paper and pencil.

You also need something that will cast a shadow. This can be you, or it could be a toy, like a doll or teddy.

Method

If you have a concrete or paved area in your garden you can use chalk to draw around the object's shadow. If not, place a big piece of paper on the ground and use a pen or pencil to draw around the shadow.

First thing in the morning draw around the shadow of your object.

Do this again at 10.00 am. What do you notice?

At midday draw around the shadow again. What do you notice?

Draw around the shadow again at 3.00pm. What do you notice?

Finally draw around your shadow at 6.00pm. What do you notice?

It is not important to get the exact times but you do need to make one drawing first thing in the morning, one at lunchtime and one at teatime.

Observations

At the end of the day look at all your drawings. Has the shadow changed?

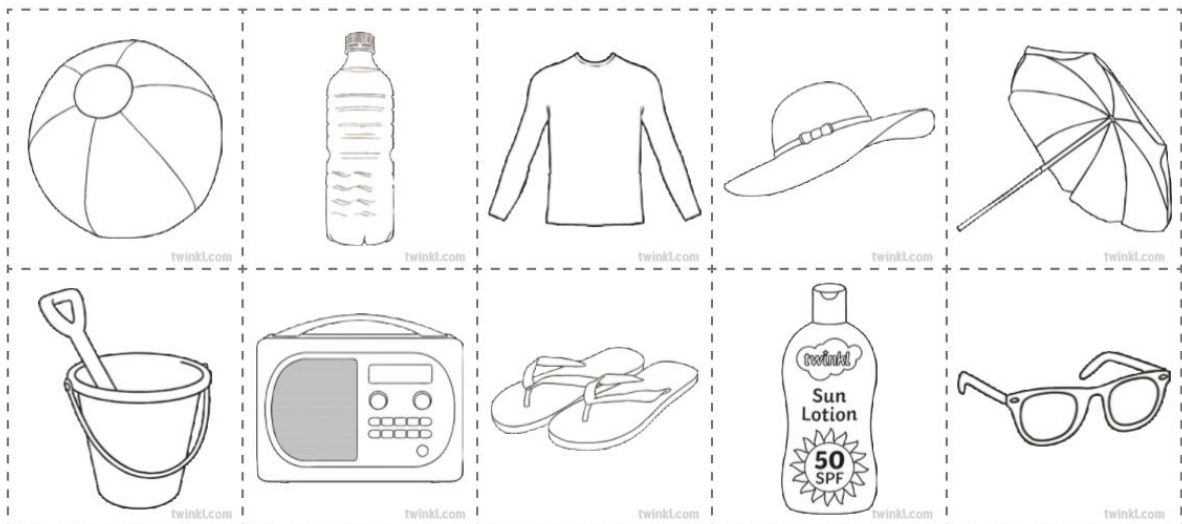
When was the shadow smallest?

When was the shadow biggest?

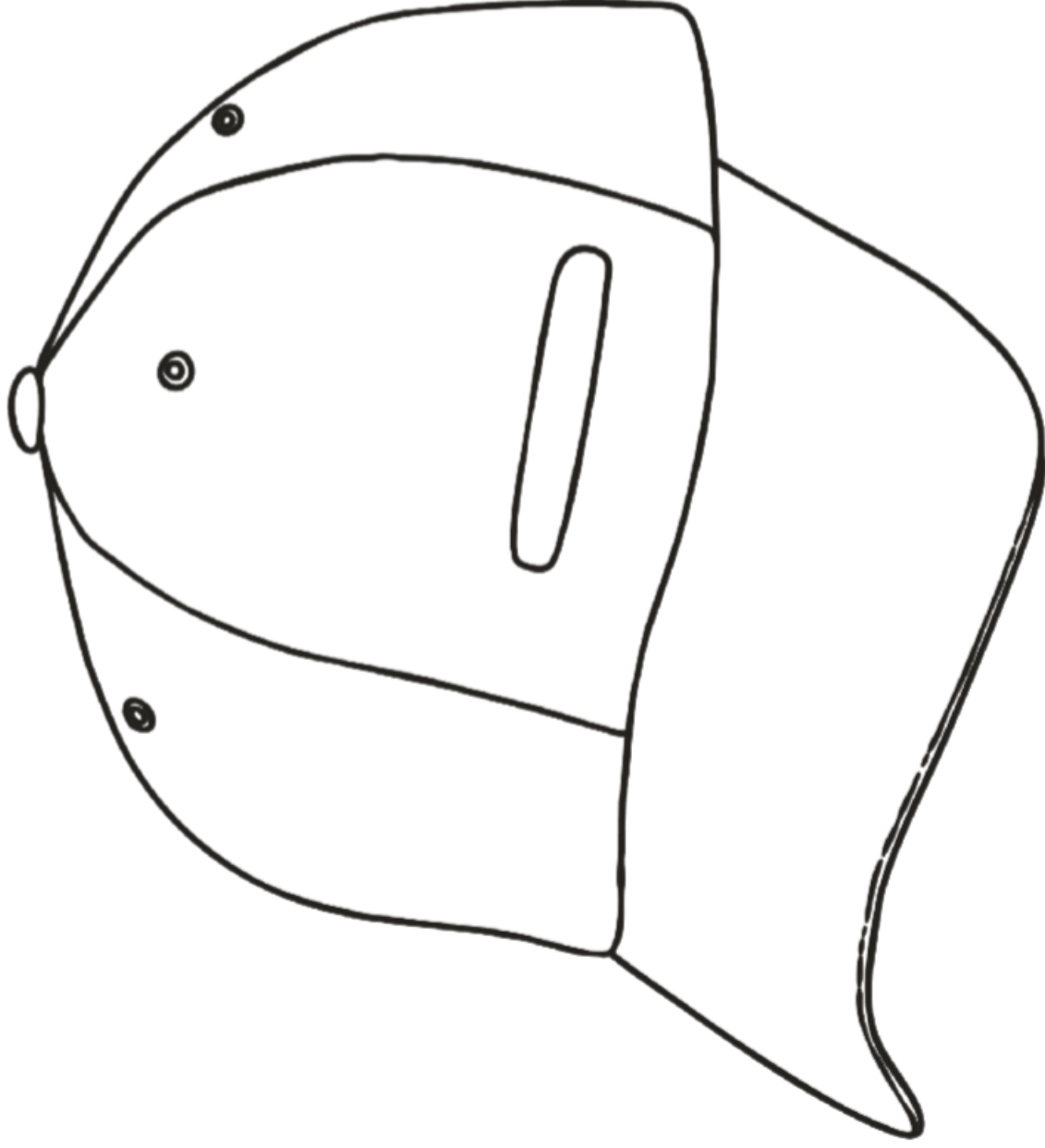


Pack for Sun Safety

Directions: Colour and cut out the pictures that help you stay safe in the sun and glue them to your beach bag.



Design Your Own Sun Hat



Design Your Own Sun Hat

