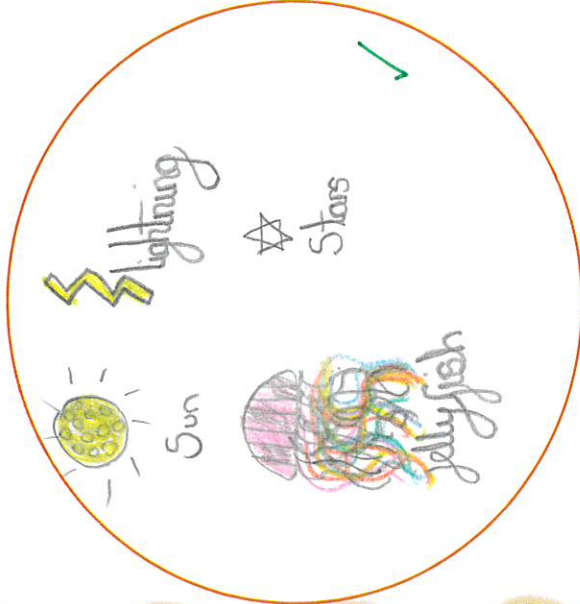


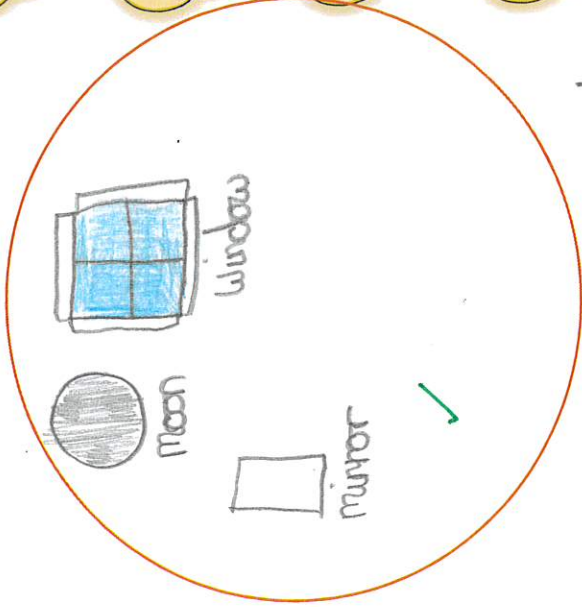
# Light Sources

- Can I accurately identify light that comes from a source?
- Can I recognise that I need to protect my eyes from the sun?

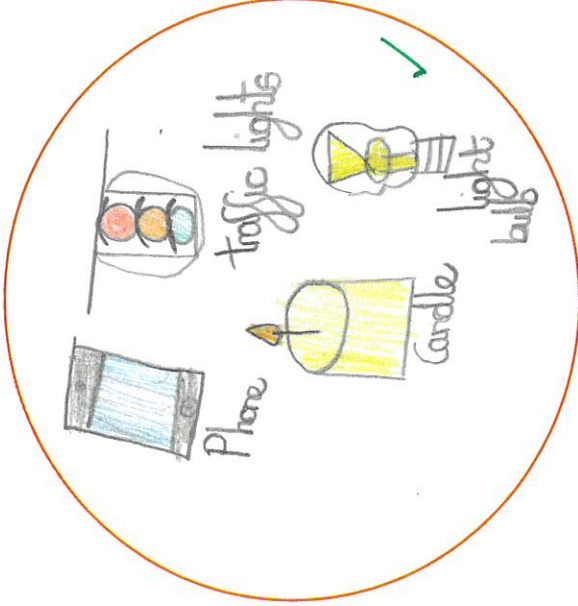
## Natural light sources



## Not a light source



## Artificial light sources



How can the sun be dangerous? How can we protect ourselves? The sun can be dangerous because it

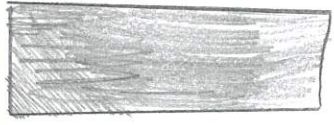

can make us blind. We can protect our eyes by wearing sunglasses.



**WALT understand shadows and how they are formed.**

- Can I draw a shadow and write the object that created it?

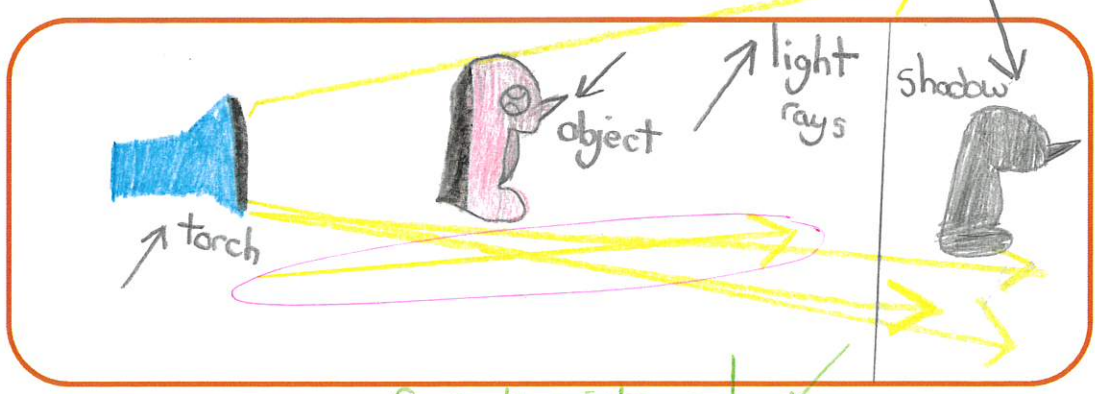
Use your torch to create **3 shadows** with objects on your table!  
 Draw each shadow and label it with the object that made it:

<p>Lego brick Shadow</p> 	<p>Penguin shadow</p> 	<p>Zebra shadow</p> 
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- Can I show that I understand how a shadow is formed?

Draw a picture to show how a shadow is formed.

Label the: light source object shadow



*Great picture!* ✓

How are shadows formed? Write your answer in a full sentence:

light object blocked source shadows

Shadows are formed when the light from a light source is blocked by a solid object.

18 ÷ 3 = 19

**WALT understand how shadows change size.**

Tay

- Can I carry out an experiment to test what effects the size of shadow?

**My Prediction.**

Write down what you **predict** will happen to the size of the shadow:

I predict that when the shadow puppet is closer to the light source, the shadow will be bigger.

**My Results.**

Fill out your table of results, remembering to add your titles:

Distants from the light source	Width of the shadow
1	9 cm
2	13 cm
3	14.5 cm
4 nearest	

- Can I explain what effects the size of a shadow?

**My Conclusion:**

What did you find out? What effects the size of a shadow?

light source    bigger    smaller    further    nearer

I found out that the nearer the object is to the light source, the bigger the shadow is.