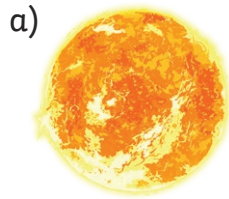


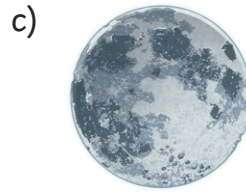
Light Assessment

1. Tick to show which of the following objects are light sources.



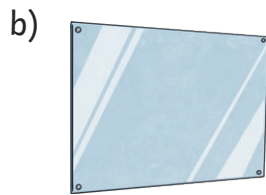
the Sun

light source



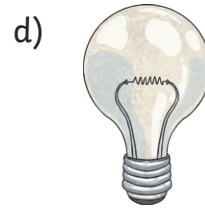
the Moon

light source



a mirror

light source



a bulb

light source

2 marks

2.

It's OK to look directly at bright lights if you are wearing sunglasses.



Do you agree or disagree with Jack?
Explain your answer.

2 marks

3. Jack has noticed that he can still see objects in his room at night, even though the bedroom light is off. Explain why Jack can still see some objects.



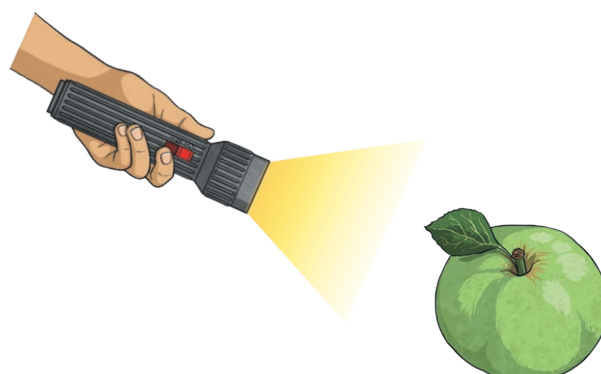
2 marks

4. Decide whether the following statements about the Sun are true or false.

	True or False?
The Sun's light can cause painful burns.	
We should wear suncream to protect ourselves from the Sun.	
The Sun's light is only dangerous in very hot countries.	
The Sun's light has some benefits, such as helping humans to make vitamin D.	

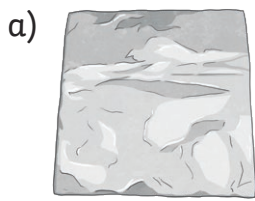
2 marks

5. Fizzer is shining their torch on an apple. Draw the shadow that you think the apple would have.

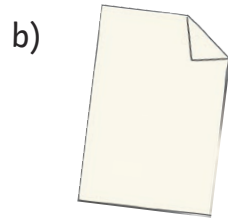


1 mark

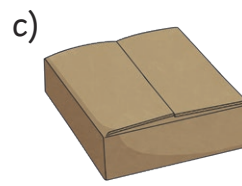
6. Olivia is investigating which materials reflect light the best. She has the following materials.



tin foil



paper



cardboard



wood

Which material do you think will reflect light the best? Explain your answer.

2 marks

7. Murad has noticed that when he shone a torch on an apple, the shadow it cast was dark. However, when he shone his torch on a glass beaker, the shadow was very faint.



Why are the two shadows different?

2 marks

8. Cally is investigating how shadows change. She started her enquiry with her torch very close to her object and then gradually moved the torch further away.

Describe what you think happened to the shadow of the object.

2 marks