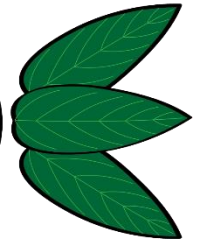
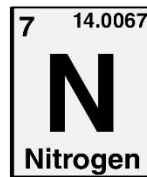
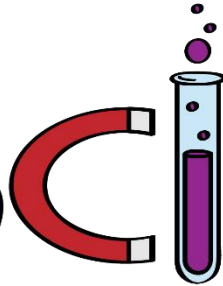
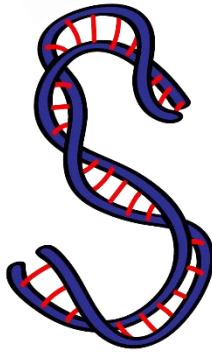




ASPIRE
INTERNATIONAL SCHOOL



Science Department

2023/2024

Year 4

Term 2, Week 9

Name:

Class:

5.1 + 5.2 + 5.3 Worksheets

1



a- Carlos has gone to collect wood for the fire. Identify the light source.

.....

b- On the picture draw rays to show how Carlos sees the wood. Show the direction of the rays with arrows. Label the arriving ray and the reflected ray.

c- Sergio and his father are sitting facing each other. Identify the light source that allows the father to see Sergio.

.....

d- On the picture draw rays to show how the father sees Sergio. Show the direction of the rays with arrows. Label the arriving ray and the reflected ray.

2) Define

a- Reflect:

.....

b- Proof:

.....

c- Ray:

.....

3) Look at the picture showing Rachel finding her cat.



a- Identify the light source.

.....

b- Identify the object.

.....

c- Draw a simple ray diagram to show how Rachel sees the cat.

4) Chen rides his bicycle at night.



A person driving a car at night can see the front lamp, helmet and clothing.

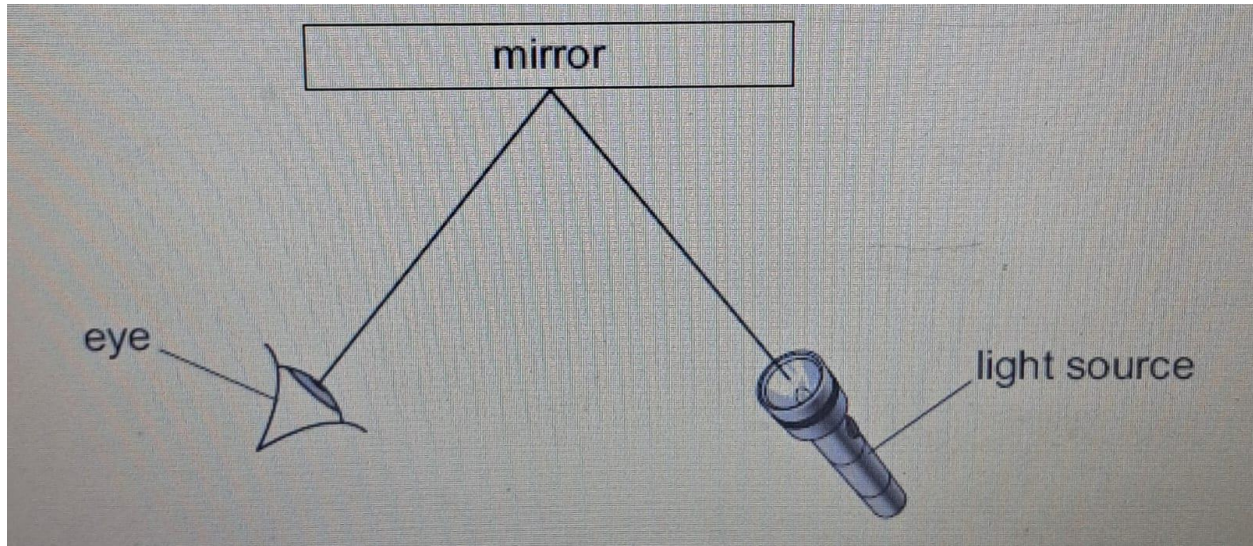
a- The front lamp is a source of light.
Complete the sentence.

Light from the lamp travels in lines to the person.

b- The helmet and clothing are **not** sources of light.
The person in the car sees these clearly.
Explain why.

.....
.....

5) Carlos draws a diagram of his science investigation.



a- Draw **two** arrows on the diagram to show the direction light travels.

b- Complete these sentences about light.

Light travels in lines.

When light reaches the mirror the light changes direction because it is

c- What type of diagram has Carlos drawn?

Circle the correct answer.

- Energy diagram
- Light diagram
- Mirror diagram
- Ray diagram

4) Fill in 'better than' or 'worse than' to complete these sentences.

a A mirror reflects light _____ any other surface.

b A sheet of brown paper reflects light _____ a sheet of aluminium foil.