

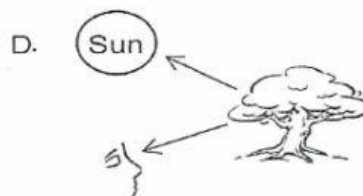
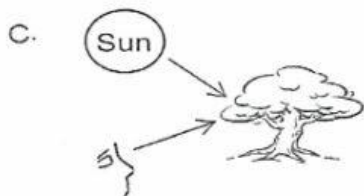
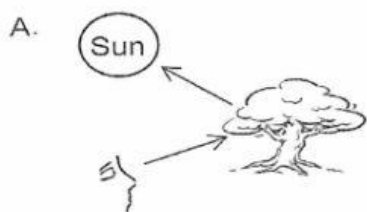
Name:

Year:

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Unit 5: Light Energy.

1. Which of the following diagram shows how we can see the tree?



2. Study Figure 10 below.

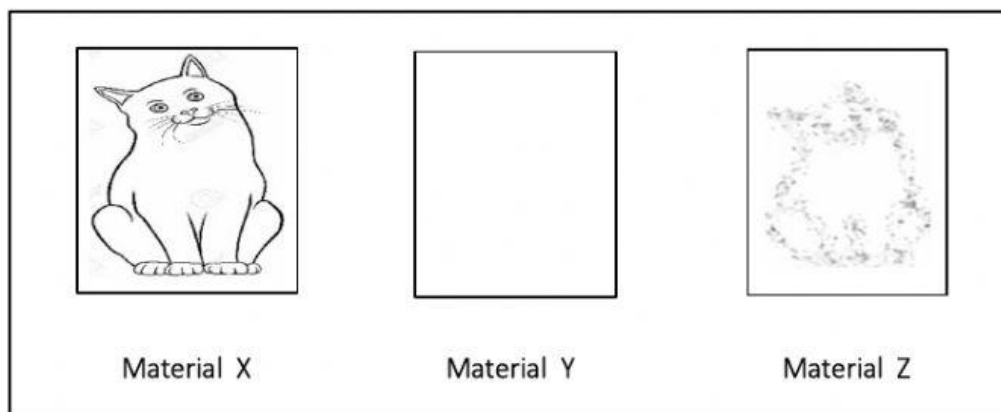


Figure 10

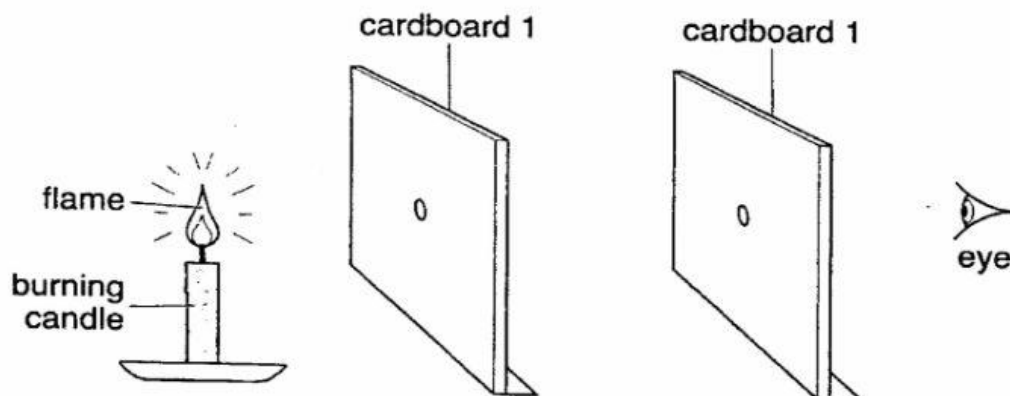
Dania looks at the cat through three different Materials X, Y and Z. She drew what she could see as shown above. Which of the following **correctly** describes the material?

	Material X	Material Y	Material Z
A	Opaque	Translucent	Transparent

B	Translucent	Transparent	Opaque
C	Transparent	Opaque	Translucent
D	Transparent	Translucent	Opaque

3. Norah did an experiment on light.

Experiment A



a) Look at experiment A in the figure above.

(i) Name the source of the light in the figure above.

(ii) On the diagram above, draw a line with an arrow ($\longrightarrow$) to show how light travels to Norah' eyes?

(iii) What is experiment A trying to show?

b) Figure 11 below show Rayyan standing near a brightly lit lamp post during night time.

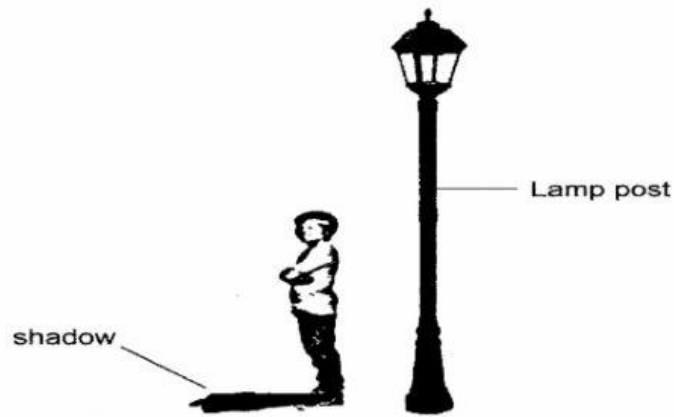


Figure 11

When Rayyan begins to walk further away from the lamp post, the length of the shadow changes.

- (i) Name the sources of light in Figure above.

- (ii) How is a shadow formed?

[7 marks]