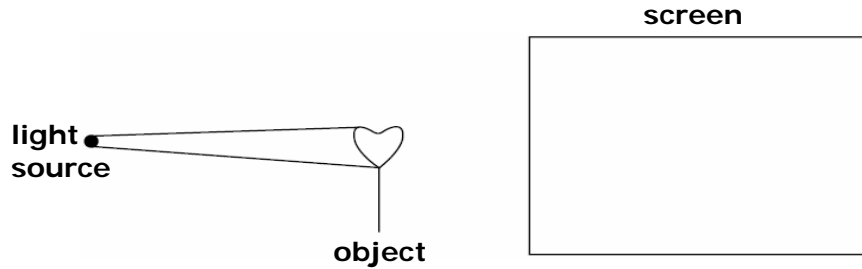


Reflection of Light

Name:

1. Copy the diagram below.



- Continue the two light rays to show where they would hit the screen.
- On the screen, draw the shadow that the heart would form.
- Put an arrow onto each ray, to show which way the light is travelling.

2. a) When you switch on a light do you...

- see the light after about one second?
- see the light after about 2 seconds?
- see the light immediately?

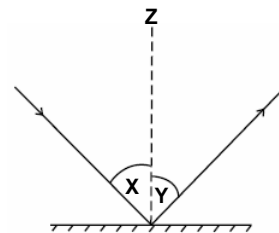
b) What does this tell you about the speed of light?

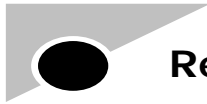
3. Copy and complete the sentences below.

- Light is reflected from a shiny surface because ...
- Black sugar paper does not reflect light because ...

4. What are the correct names for these angles in the diagram?

- angle Y?
- angle X?



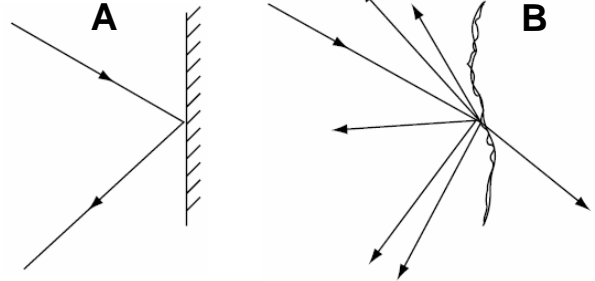
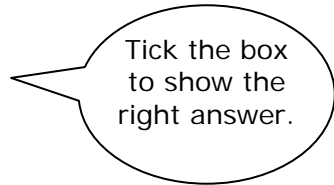


Reflection of Light

5. Look at these two diagrams.

Which diagram shows a light ray being scattered?

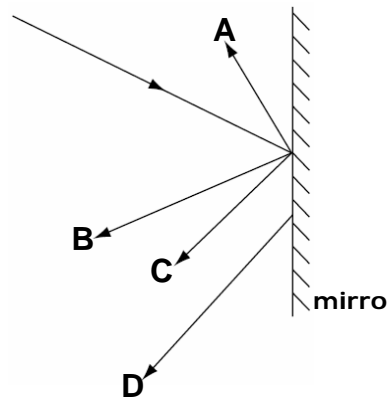
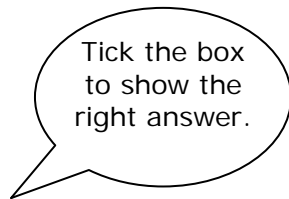
- A
- B



6. Look at this diagram of a light ray being reflected by a mirror.

Which is the correct reflected ray?

- A
- B
- C
- D



7. Complete these diagrams by drawing in the reflected rays.

