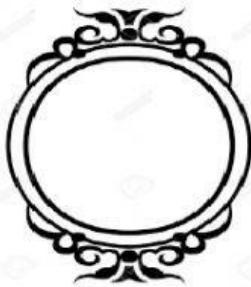


UNIT PRACTICE -LIGHT

1. Which of the following shows that light travels in a straight line?
 We can see light directly
 We can see ourselves in front of the mirror
 Light from the Sun takes 8 minutes to reach us
 A shadow is formed when light is blocked by an opaque object.

2. Which of the following devices uses reflection of light?



3. When light passes through certain objects, a shadow is formed. Which of the following might be these objects?

P- A ball

Q- A prism

R- The Earth

S- A lens

P and Q

P and R

Q and R

Q and S

4. Which of the following affect the size of a shadow?

- P- The distance between the light source and the object
- Q- The distance between the object and the screen
- R- The brightness of light
- S- The shape of object

P and Q

P and S

Q and R

R and S

5. Figure 1 shows a periscope made by a group of students.

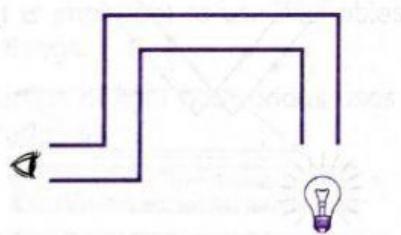


Figure 1

How many mirrors are needed to make it work?

2

3

4

5

6. An experiment is carried out by a group of students.

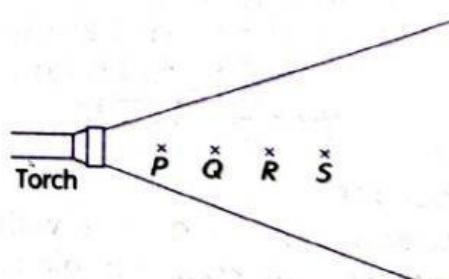


Figure 2

At which position should the object be placed to get the largest shadow?

P

Q

R

S

7. Light can pass through a ...

mirror

stone

glass block

wood

8. A tracing paper is a ...

transparent

translucent

opaque

9. Figure 9 shows the reflection of light rays by object X.

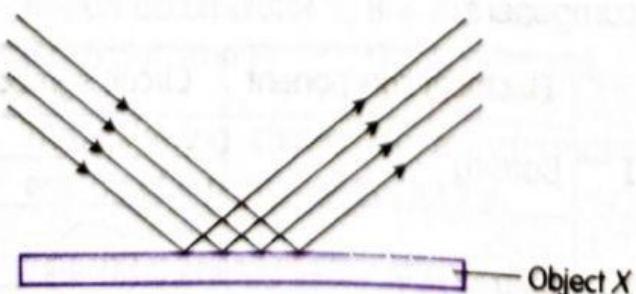


Figure 8

Which of the following could be object X?

A mirror

A glass block

A smooth and shiny silver plate

Clear plastic

10. What are the factors affecting the shape of shadows?

- The distance between the object and the screen
- The orientation of the object
- The position of the light source
- The distance between the object and the screen