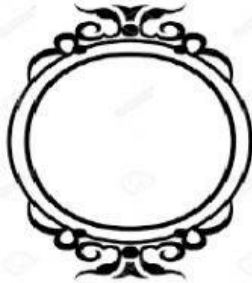


## UNIT PRACTICE -LIGHT

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.

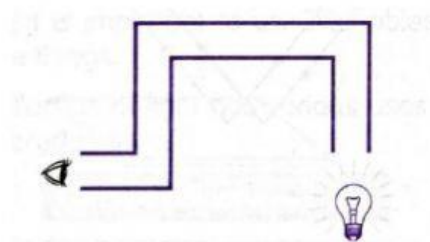


Figure 1

How many mirrors are needed to make it work?

☐ 2

☐ 3

☐ 4

☐ 5

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

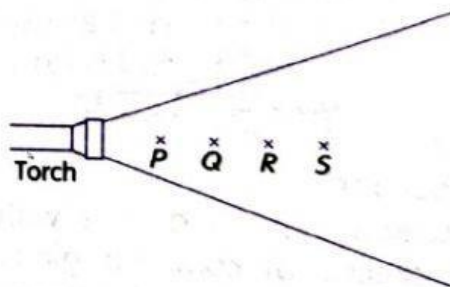


Figure 2

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

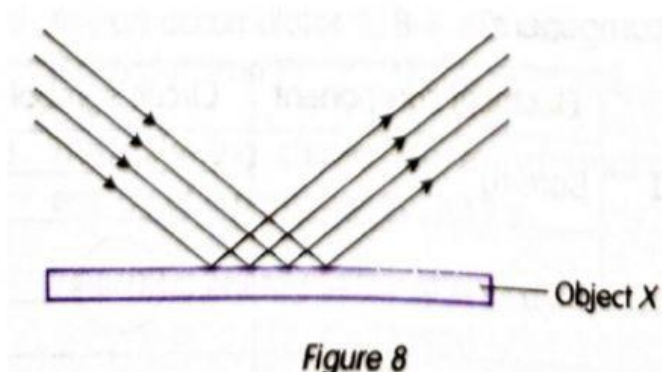
8. A tracing paper is a ...

☐ transparent

☐ translucent

☐ opaque

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



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