


# STD 8 - SCIENCE

## 3.LIGHT

### I. CHOOSE THE BEST ANSWER

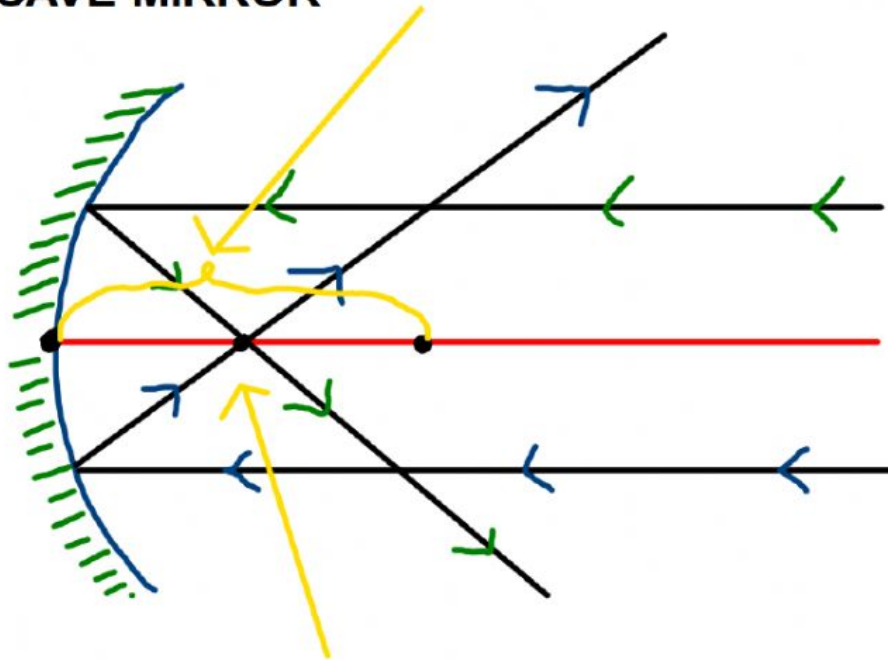
1. \_\_\_\_\_ are used in vehicles as rear-view mirrors.  
a. concave mirrors   b. convex mirrors   c. parabolic mirrors   d. plane mirrors
2. If the angle of incident is  $30^\circ$ , then the angle of reflection is \_\_\_\_\_.  
a.  $40^\circ$                       b.  $50^\circ$                       c.  $30^\circ$                       d.  $60^\circ$
3. ENT doctors use \_\_\_\_\_.  
a. concave mirrors   b. convex mirrors   c. parabolic mirrors   d. plane mirrors
4. The formation of rainbow is an example of \_\_\_\_\_ of white light.  
a. regular reflection   b. refraction                      c. irregular reflection                      d. dispersion
5.  This picture resembles \_\_\_\_\_.  
a. regular reflection   b. refraction                      c. irregular reflection                      d. dispersion

### II. MATCH THE FOLLOWING

- |                               |                        |
|-------------------------------|------------------------|
| 6. Snell's law                | a. Inverted            |
| 7. Speed of light in vacuum   | b. Erect               |
| 8. Real image                 | c. $3 \times 10^8$ m/s |
| 9. Virtual image              | d. 1.33                |
| 10. Refractive index of water | e. Refraction          |

### III. DRAG THE TERM AND DROP INTO SUITABLE PLACE

#### CONCAVE MIRROR



Principle axis

Focus

Radius of curvature

Pole

Centre of curvature

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