

# UNIT 4 L4

Date: \_\_\_\_\_

Name: \_\_\_\_\_



A multiple choice quiz. Tick the boxes to record the answer

1. \_\_\_\_\_ is the bending of light waves as they change angle passing from one substance into another.



A  Reflection      B  Refraction  
C  Translucent      D  Retention

2. Most predators have eyes on the \_\_\_\_\_ of their heads.



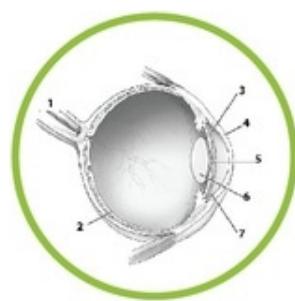
A  Front      B  Back  
C  Sideways      D  Facing down

3. The magnifying glass is a \_\_\_\_\_ lens that causes the image to appear bigger up close.



A  Convex      B  Concave  
C  Flat      D  Plane

4. Light enters through \_\_\_\_\_. The \_\_\_\_\_ sends signals to the brain to be interpreted as images.



A  Retina, Cornea      B  Cornea, Retina  
C  Rods, Cones      D  Cones, Rods

5. A \_\_\_\_\_ lens is thinner in the middle and always makes objects look smaller.

A  concave      B  convex  
C  translucent      D  Opaque

6. Which structure is at the back of the human eye where light through the lens is focused?

A  cornea  
B  pupil  
C  Retina  
D  Rod

7. Why is Maria able to see more objects in a dark room when a light shines through a clear plastic bag than when a light shines through a brown paper bag?

A  More light is reflected into Maria's eyes when it shines through the clear plastic bag

B  More light is scattered into Maria's eyes when it shines through the clear plastic bag.

C  More light is refracted into Maria's eyes when it shines through the clear plastic bag.

D  More light is transferred into Maria's eyes when it shines through the clear plastic bag

10. Farrah injured one of her eyes while playing in a sandbox. Since her injury, her vision is very blurry. Which statement possibly explains why the blurriness is occurring?



A  Her eye is not focusing light properly.

B  Her eye is absorbing too much light.

C  Her eye is reflecting too much light.

D  Her eye is blocking some light.

8. Which statement helps explain the position of eyes on predators?

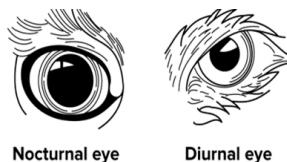
A  Forward-facing eyes allow predators to detect prey approaching from the sides.

B  Sideways-facing eyes allow predators to have a wider field of view to locate prey.

C  Sideways-facing eyes allow predators to see prey at night.

D  Forward-facing eyes allow predators to judge the distance and depth of objects.

11. Nocturnal animals can see better at night because their \_\_\_\_\_ is dilated and allows more light to reach the back of the eye.



A  Retina      B  Pupil

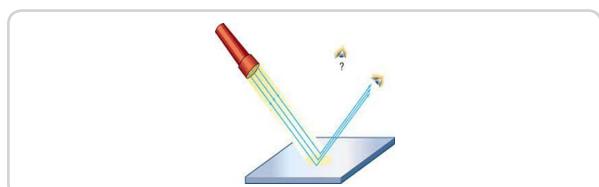
C  Cornea      D  Skin

9. Light is a form of energy that \_\_\_\_\_.

A  does work      B  lets you see

C  you can hear      D  let you walk

12. We see objects when, \_\_\_\_\_ bounces off from the surface of the object.



A  Light      B  Sound

C  Gravity      D  Energy