

# 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.



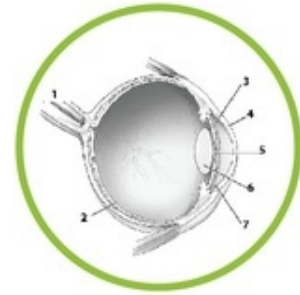
- A ☒ Front      B ☐ Back  
C ☐ Sideways      D ☐ Facing down

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

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.

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

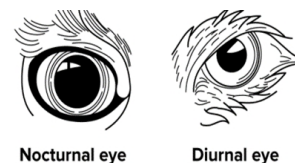
- A ☐ does work
- B ☒ lets you see
- C ☐ you can hear
- D ☐ let you walk

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?



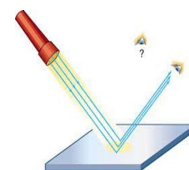
- A ☒ Her eye is not focusing light properly.
- B ☐ Her eye is absorbing too much light.
- C ☐ Her eye is reflecting too much light.
- D ☐ Her eye is blocking some light.

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

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



- A ☒ Light
- B ☐ Sound
- C ☐ Gravity
- D ☐ Energy