



# Animal Eyes



Fill in the answers to the following.  
You may have to do a bit of research.

- Some animals have eyes close together on the front of their face.  
This type of vision works well for **(circle one)** **predators** **prey animals**
- Some animals have eyes far apart on the sides of their face.  
This type of vision works well for **(circle one)** **predators** **prey animals**
- What are the color-sensitive cells in your eyes called? \_\_\_\_\_
- How many types of these cells do humans have? \_\_\_\_\_
- What are the light sensitive cells called that aren't sensitive to color? \_\_\_\_\_
- Do owls have more rods cells or more cone cells? \_\_\_\_\_
- What kinds of animals see well at night? \_\_\_\_\_
- Name some characteristics of eyes that see well at night. \_\_\_\_\_  
\_\_\_\_\_
- What is a tapetum lucidum and what does it do to light? \_\_\_\_\_  
\_\_\_\_\_
- What kind of eyes does a mosquito have? \_\_\_\_\_
- Each of the "miniature eyes" of a mosquito are called: \_\_\_\_\_
- Does a mosquito see one picture or many separate pictures? \_\_\_\_\_
- How do aquatic animals maintain the shape of their eyes underwater? \_\_\_\_\_  
\_\_\_\_\_
- Fish eyes are most sensitive to which color of light **(circle one)** **red** **blue** **yellow**
- What has 100 eyes and lives on the bottom of the ocean? \_\_\_\_\_
- What animal(s) have eyes that can see both above and below water at the same time? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
- What animal(s) can see a 360 degree view and what allows them to do this? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

# Animal Eyes Answer Key



1. Some animals have eyes close together on the front of their face.  
This type of vision works well for **(circle one)** **predators** **prey animals**
  
2. Some animals have eyes far apart on the sides of their face.  
This type of vision works well for **(circle one)** **predators** **prey animals**
  
3. What are the color-sensitive cells in your eyes called? \_\_\_\_\_ **cones**
4. How many types of these cells do humans have? \_\_\_\_\_ **3 (to absorb red, blue, and yellow photons)**
5. What are the light sensitive cells called that aren't sensitive to color? \_\_\_\_\_ **rods**
6. Do owls have more rods cells or more cone cells? \_\_\_\_\_ **rods**
7. What kinds of animals see well at night? \_\_\_\_\_ **answers will vary**
8. Name some characteristics of eyes that see well at night. \_\_\_\_\_  
**large pupil, big eyes, lots of rods, some have tapetum lucidum**
9. What is a tapetum lucidum and what does it do to light? \_\_\_\_\_  
**tapetum lucidum is a layer at the back of the eye that reflects light**
10. What kind of eyes does a mosquito have? \_\_\_\_\_ **compound**
11. Each of the "miniature eyes" of a mosquito are called: \_\_\_\_\_ **ommatidia**
12. Does a mosquito see one picture or many separate pictures? \_\_\_\_\_ **one picture**
13. How do aquatic animals maintain the shape of their eyes underwater? \_\_\_\_\_  
**By absorbing water through the cornea**
14. Fish eyes are most sensitive to which color of light **(circle one)** **red** **blue** **yellow**
15. What has 100 eyes and lives on the bottom of the ocean? \_\_\_\_\_ **Scallop**
16. What animal(s) have eyes that can see both above and below water at the same time? \_\_\_\_\_  
**four eyed fish (Anableps)**
17. What animal(s) can see a 360 degree view and what allows them to do this? \_\_\_\_\_  
**crayfish, crab, and other animals with eyes on stalks**