

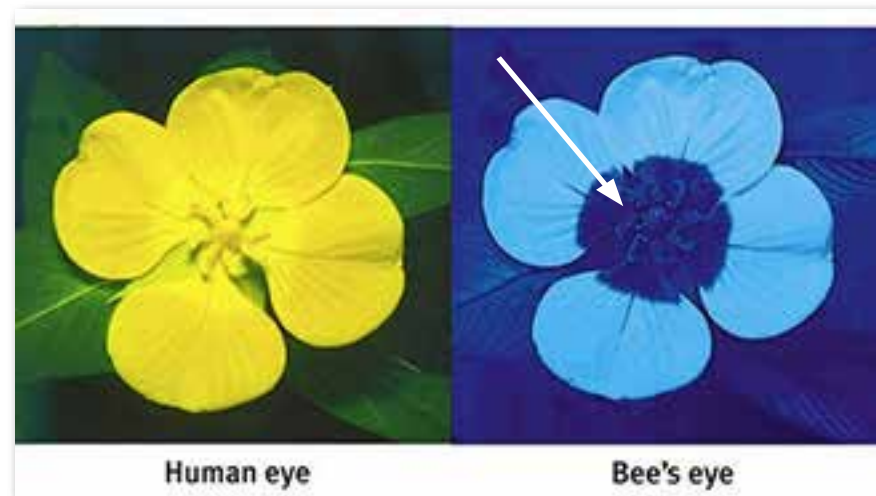
What Animals See



What does a Bee see?



What Animals See



- Bees do not perceive red, but they do see blue-green, blue, violet, and UV
- UV light patterns at the center of the flower guide bees to the nectar source.



What Animals See



What does a Bird see?



What Animals See



Human eye

Bird's eye

- Birds see ultraviolet light.
- Have four cones instead of three allowing them to see more colors than human eyes.
- Hunting birds have binocular vision and can spot prey from long distances.



What Animals See 🐾👁️



What does a Dog see?



What Animals See 🐾👁️



- Dogs see the world in brown, blue and yellow tones and cannot distinguish between red, yellow, green and orange objects.
- Have a wider peripheral vision than humans.
- Able to see in much dimmer light and can detect motion more easily than we do.



What Animals See



What does a Cat see?



What Animals See



- Cats see blues and greens, but reds and pinks may appear more green, purples can appear blue.
- Cannot see fine detail or rich color, but have a much wider field of view.
- Superior night vision and a wider field of view due to high concentration of rod receptors sensitive to dim light.



What Animals See



What does a Frog see?



What Animals See



Human eye

Frog's eye

- Frogs and toads have night-vision that is superior to all other animals.
- They are able to see color in dark conditions as a result of special cells in their retinas.
- Large protruding eyes give them almost 360 field of vision
- Clear inner eyelid dulls their vision.



What Animals See



What does a Fly see?



What Animals See



- A fly has two compound eyes with approximately 4000 lenses that perform independently.
- Only two cones- cannot see reds
Can distinguish between polarized and non-polarized light.
- Can pick up form and movement, but the image is out of focus.



What Animals See



What does a Rat see?



What Animals See



- Rats have only two cones, seeing some UV, blues, greens, but not reds.
- Vision is blurry and depth perception is poor.
- Can detect large, moving, distant object, but at close range rely on whisker touch and smell.
- Have eyes that move independently, expanding their field of view.



What Animals See



What does a Butterfly see?



What Animals See



Human eye



Butterfly's eye



- Butterflies see in tetrachromatic vision - sensitive to UV, violet, blue, green, & red.
- Widest visual range of any form of wildlife.
- Have blurry vision through compound eyes, but are sensitive to movement.
- UV patches on some butterflies are directionally iridescent, making them appear to flicker in flight.

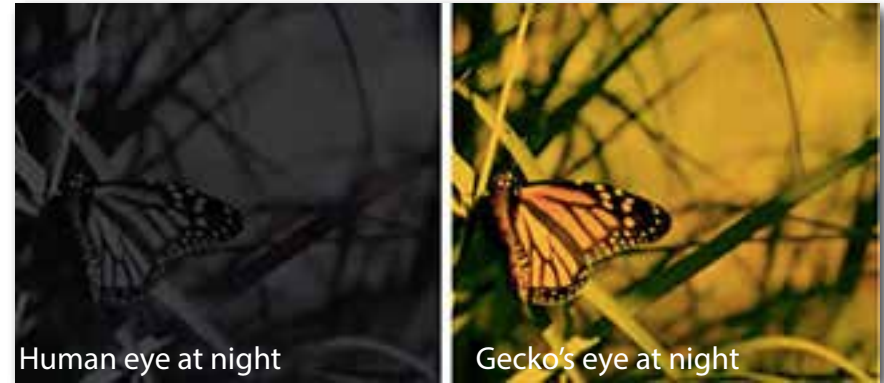


What Animals See 🗨️🗨️



What does a Gecko see?

What Animals See 🗨️🗨️



- Lizards are unusual because their eyes do not have rods, only cones.
- Their cones have evolved to be “rod-like,” so they can see color at night.
- A gecko’s eyesight is 350 times more sensitive to color than humans.
- Have vertical pupils that can close to a slit when they need to block out damaging rays during the daylight.