



kids' kreation





© 2017 by HIS CREATION # 9

How Creatures Hear

Christ's kindness

Jesus gave the snake no visible ears, but it is not deaf. It senses vibrations with its bodu!



Where did God put a bird's ears? This osprey has ears on the sides of its head but they're hidden behind feathers. Birds hear about as well as people.



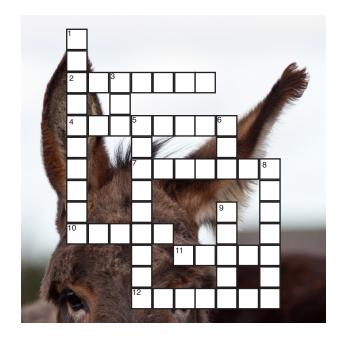
Western Osprey— CC BY 2.0 by Simon Carrasco Donkey— CC BY 2.0 by Håkan Dahlström Mosquito—© 2017 Nikon Instruments Inc Bat—© Eric Isselee / Shutterstock.com Spider—CC BY 2.0 by James Niland Locust—© EcoPrint / Shutterstock.com Bats use sonar to talk with each other, fly at night, and find insects to eat.



Fish have a very good way of sensing the presence of other fish—it's called the lateral line. The lateral line is the thin stripe on the side of a fish's body, running from its tail to its head.

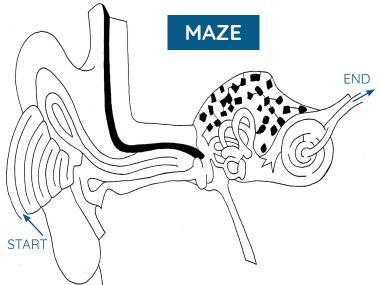


You can easily identify the ear of a frog—it's the round disc (eardrum) just behind its eye.



Down

- 1. Sounds are _____ that can travel through air, water, and solid rock.
- 3. Aside from touch and smell, the ____ communicates by tapping.
- 5. ______, whales, hippos and rhinos can communicate using low-frequency sounds known as infrasounds.
- 6. Hearing involves not only your ____, but also your brain.
- 8. Jesus placed 3 tiny bones in your middle earthe hammer (_____), anvil (incus), and stirrup (stapes).
- 9. The cochlea turns sound waves into _____ signals, which are then sent to the brain.



CROSSWORD

The words used in the CROSSWORD are taken from the articles found in *CREATOR* Volume 22 Number 4.

Answers to CROSSWORD found in *kids' kreation* #91

Across: 1. SCALE 3. PLATES
4. MERCY 6. SEISMOLOGY 8. FIRE
9. FOCUS 10. CORE
Down: 2. LITHOSPHERE
4. MAGNITUDE 5. CANADA
6. SURFACE 7. LISBON

<u>Across</u>

- 2. A fish can hear using its swim _____, and the lateral lines on the sides of its body.
- 4. The mosquito hears using his ______.
- 7. The tympanic membrane is another name for your _____.
- 10. Both dolphins and bats use _____ to detect prey.
- 11. Doctors have divided the ear into _____ parts: the outer ear, the middle ear, and the inner ear.
- 12. Jesus provided _____ with organs in their legs that act like seismographs, and gave them sensitive hairs called trichobothria.

Animal Ear Identification

Match the ear(s) with the name of the animal below.

bat frog mosquito cat locust spider



S.____



. D. _____



). ___



1. mosquito 2. bat 3. cat 4. spider 5. frog 6. locust