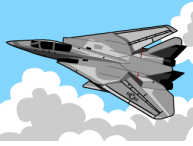


1. How are sound waves like ripples in a pond?

- a. They are both types of electromagnetic radiation
- b. They travel faster in water than they do in the air
- c. They radiate outward from a central point
- d. They have the same wavelengths

2.  A supersonic aircraft travels faster than the speed of sound. What might be the top speed of such an aircraft?

- a. 200 kilometers per hour
- b. 500 kilometers per hour
- c. 1000 kilometers per hour
- d. 1500 kilometers per hour

3. What is the function of the ridges on your outer ear?

- a. They prevent germs from entering your middle ear
- b. They direct sound into your middle ear
- c. They prevent loud noises from damaging your inner ear
- d. They filter out very high and low-frequency sounds

4. How is your eardrum like a real drum?

- a. It produces sound
- b. It vibrates
- c. It is frequently struck by the bones in your middle ear
- d. It is hollow

5.  What is unique about the hammer, stirrup, and anvil?

- a. They are the smallest bones in your body
- b. They are the only bones in your body that move
- c. They are the only bones located in your head
- d. They are the only bones that cannot be broken

6. If your inner ear lacked nerve fibers, what might happen?

- a. Sound would be unable to travel to your brain
- b. Your eardrum would be unable to vibrate
- c. Your hammer could not tap against your anvil
- d. Sound waves could not enter your ear

7. Place the following events in sequence: A) Your eardrum begins vibrating; B) Electrical impulses travel along nerve fibers; C) The hammer, anvil, and stirrup begin moving

- a. B, C, A
- b. A, B, C
- c. B, A, C
- d. A, C, B

8. Deafness is to sign language as blindness is to:

- a. The inability to speak
- b. The Braille alphabet
- c. Eyeglasses
- d. A cane

9. Which word best describes the auditory canal?

- a. Filled with water
- b. Hollow
- c. Lined with sensitive nerve fibers
- d. Vibrating

10. Which of the following is a true statement about cats?

- a. They can hear softer sounds than humans
- b. Their ears are much larger than humans'
- c. They can hear a wider range of sounds than humans
- d. They communicate with one another with sounds that humans can't hear