

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## The Ear Science Worksheet

Topic: The Ear

Instructions: Choose the best answer for each question.

### 1. What is the primary function of the ear?

- A) To detect light
  - B) To regulate balance and hearing
  - C) To control body temperature
  - D) To sense touch
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### 2. Which part of the ear collects sound waves and funnels them into the ear canal?

- A) Cochlea
  - B) Ear drum
  - C) Pinna (outer ear)
  - D) Eustachian tube
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### 3. What is the function of the eardrum (tympanic membrane)?

- A) To balance air pressure
  - B) To vibrate when sound waves hit it
  - C) To transmit sound directly to the brain
  - D) To produce earwax
- 

### 4. Which part of the ear contains tiny bones that amplify sound vibrations?

- A) Inner ear
  - B) Middle ear
  - C) Cochlea
  - D) Ear canal
- 

### 5. What are the three tiny bones in the middle ear called?

- A) Hammer, anvil, and stirrup
- B) Pinna, cochlea, and canal
- C) Ossicles, cochlea, and pinna
- D) Malleus, incus, and cochlea

### 6. Which part of the ear converts sound vibrations into electrical signals that the brain can interpret?

- A) Ear canal
  - B) Ossicles
  - C) Cochlea
  - D) Eustachian tube
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### 7. The cochlea is located in which part of the ear?

- A) Outer ear
  - B) Middle ear
  - C) Inner ear
  - D) Ear drum
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### 8. Which part of the ear helps maintain balance?

- A) Eustachian tube
  - B) Semicircular canals
  - C) Ear drum
  - D) Pinna
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### 9. What is the function of the Eustachian tube?

- A) To amplify sound
  - B) To drain fluid from the ear
  - C) To equalize air pressure in the middle ear
  - D) To collect sound waves
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### 10. Which of the following conditions is caused by damage to the inner ear or nerve pathways to the brain?

- A) Ear infection
  - B) Conductive hearing loss
  - C) Sensorineural hearing loss
  - D) Tinnitus
-

***Answer Key:***

1. B
2. C
3. B
4. B
5. A
6. C
7. C
8. B
9. C
10. C