Name	
Date	
Section	
The corresponds to the indicated Learning Outcome(s) listed at the beginning of the laboratory	exercise.

Ear and Hearing

32

Part A Assessments

Match the terms in column A with the descriptions in column B. Place the letter of your choice in the space provided. 1 2

Column A

- **a.** Auditory tube
- b. Ceruminous gland
- c. External acoustic meatus
- d. Malleus
- e. Membranous labyrinth
- f. Osseous (bony) labyrinth
- g. Scala tympani
- h. Scala vestibuli
- i. Stapes
- j. Tectorial membrane
- **k.** Tympanic cavity
- **l.** Tympanic membrane (eardrum)

Column B

- 1. Auditory ossicle attached to tympanic membrane
- 2. Air-filled space containing auditory ossicles
- 3. Contacts hairs of hearing receptors
- 4. Leads from oval window to apex of cochlea
- 5. S-shaped tube leading to tympanic membrane
- 6. Wax-secreting structure
- 7. Cone-shaped, semitransparent membrane attached to malleus
- 8. Auditory ossicle attached to oval window
- _ **9.** Contains endolymph
- _____ **10.** Bony canal of inner ear in temporal bone
 - 11. Connects middle ear and pharynx
- **12.** Extends from apex of cochlea to round window

Part B Assessments

Label the structures indicated in the micrograph of the spiral organ (organ of Corti) in figure 32.8. 🐧

Terms:

Basilar membrane Cochlear duct Hair cells Scala tympani Tectorial membrane

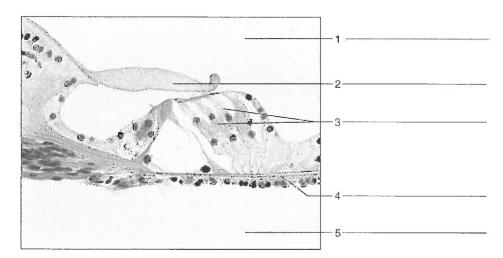


Figure 32.8 Label the structures associated with this spiral organ (organ of Corti) region of a cochlea, using the terms provided (75x micrograph enlarged to $300\times$).

Part C Assessments

Results of au	nditory acuity test: 4	
Ear Tested		Audible Distance (cm)
Right		
Left		140
Results of so	und localization test: 4	
Actual Loca	tion	Reported Location
Front of the l	nead	
Behind the he	ead	
Above the he	ad	
Right side of	the head	
Left side of th	ne head	
esults of ex	periments using tuning forks: 4	
Test	Left Ear (normal or impaired)	Right Ear (normal or impaired)
Rinne		
Weber		
ummarize tl	ne results of the hearing tests you c	conducted on your laboratory partner. 4

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