

Status	Finished
Started	Tuesday, 17 January 2023, 4:16 PM
Completed	Tuesday, 17 January 2023, 4:19 PM
Duration	2 mins 52 secs
Grade	5.00 out of 5.00 (100%)

Question 1

Correct

Mark 1.00 out of 1.00

Sounds reach the primary auditory cortex to process sound location.

Select one:

- ☐ True
- ☒ False ✓

The correct answer is 'False'.

Question 2

Correct

Mark 1.00 out of 1.00

Tonotopic representation in the auditory cortex corresponds to the location of ____; these locations provide information about the _____ sound.

- ☒ a. vibrations on the basilar membrane; pitch ✓
- ☐ b. receptors on the basilar membrane; amplitude
- ☐ c. outer hair cells; intensity
- ☐ d. inner hair cells; timbre

Your answer is correct.

The correct answer is:

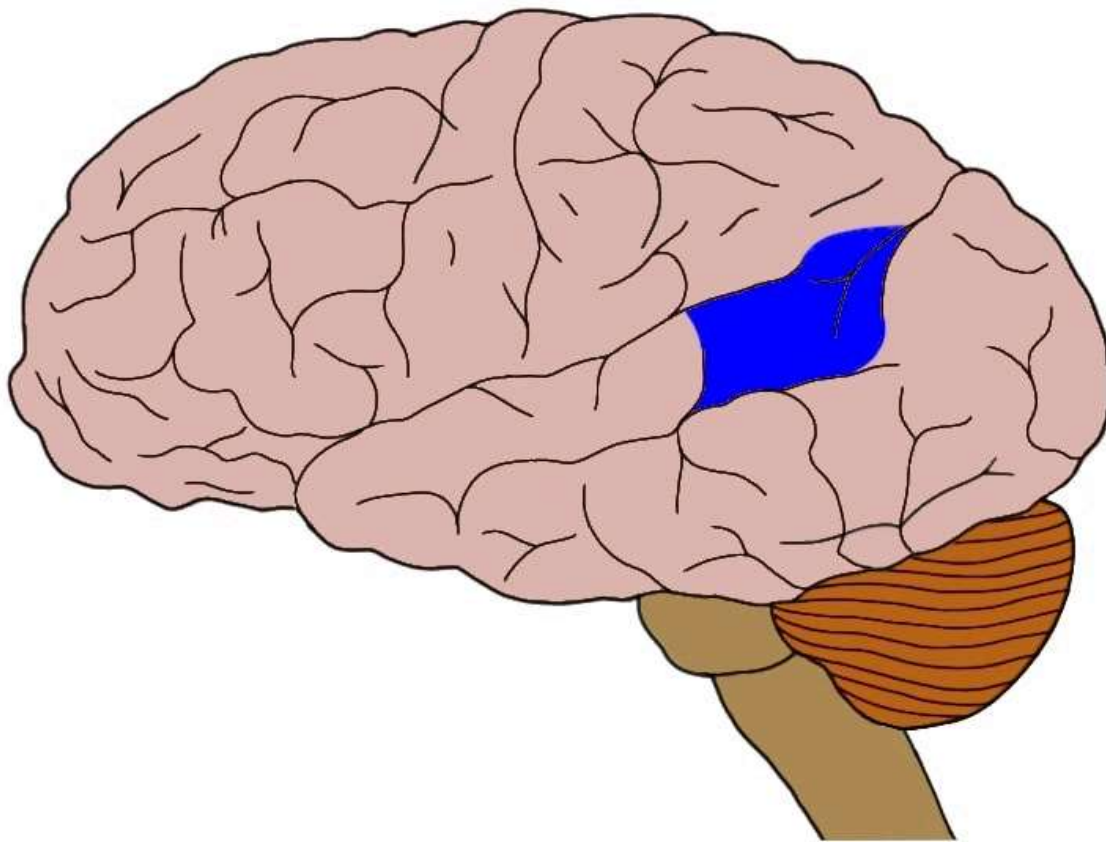
vibrations on the basilar membrane; pitch

Question 3

Correct

Mark 1.00 out of 1.00

Which brain area is this?



- ☒ a. Wernicke's area ✓
- ☐ b. Primary auditory cortex
- ☐ c. Broca's area
- ☐ d. Visual cortex

Your answer is correct.

The correct answer is:
Wernicke's area

Question 4

Correct

Mark 1.00 out of 1.00

What is the function of a cochlear implant?

- ☐ a. stimulate the cochlea
- ☐ b. increase activity in the basilar membrane
- ☒ c. stimulate the auditory nerve ✓
- ☐ d. increase the amplitude of sounds

Your answer is correct.

The correct answer is:

stimulate the auditory nerve

Question 5

Correct

Mark 1.00 out of 1.00

Which technique is most suitable to precise location of neural activity?

- ☒ a. fMRI ✓
- ☐ b. Magnetoencephalography
- ☐ c. Transcranial Magnetic Stimulation
- ☐ d. EEG

Your answer is correct.

The correct answer is:

fMRI