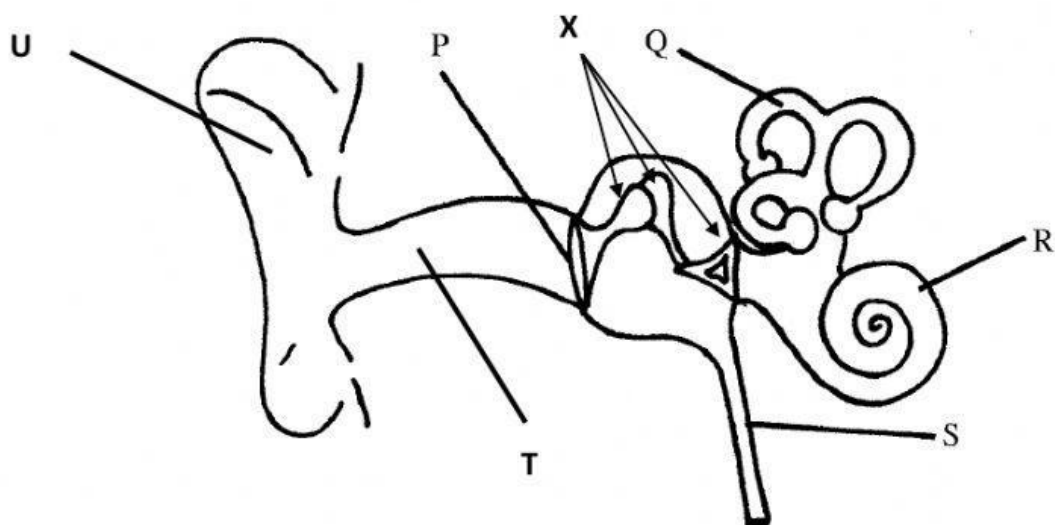


5. This diagram represents structures that make up the human ear.



- (a) Write the names of the structures of the diagram labeled **P**, **Q**, **R** and **S**

P \_\_\_\_\_  
R \_\_\_\_\_  
S \_\_\_\_\_  
T \_\_\_\_\_

- (b) On the diagram, the structures labeled **X** are found in the middle ear. What kind of tissue are these structures made of? \_\_\_\_\_ [1]
- (c) What letter on the diagram is pointing to the structure that contains cartilage? \_\_\_\_\_ [1]
- (d) Name the structure that connects the ear with the brain. \_\_\_\_\_ [1]
- (e) What is the function of the part of the diagram labeled **R**? \_\_\_\_\_ [1]  
\_\_\_\_\_
- (f) What is the stimulus that causes the ears to respond as sense organs? \_\_\_\_\_ [1]  
\_\_\_\_\_

(g) What letters on the diagram are pointing to the two parts of the ear that are normally contain a fluid?  
\_\_\_\_\_ [1]

(h) The structure labeled **P** on the diagram is not directly related to our sense of hearing. What is the function of the structure P?  
\_\_\_\_\_ [1]

(e) The ear is one of the body's sense organs. It is stimulated by sound waves. Name **ONE** other sense organ of the body and tell what it is stimulated by?

(f) i. Sense organ  
\_\_\_\_\_

ii. Stimulated by  
\_\_\_\_\_ [2]

(f) What important organ of the body is connected to the ears by the auditory nerve  
\_\_\_\_\_ [1]

**TOTAL MARKS [14]**