

Name _____

Virtual LAB - CHAPTER 10.1

The Nature of Science

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How does human hearing compare with that of other animals'?

Question 1 :What is the total range of hearing for each animal you tested?

Question 2 :Compare the ranges of sensitivity for each animal. How does the total range of sensitivity compare to the extreme range of sensitivity?

Question 3 :Which animal species that you tested has hearing that is most similar to humans? Why?

Question 4 :Which animal species that you tested has hearing that is most different from humans? Why?

Question 5 :Analyze the Hz values within the total range of sensitivity and the extreme range of sensitivity for each animal. Explain why some animals are better adapted to hear particular sound frequencies than others.

Question 6 :Is it possible for any of the earth materials scenes to be affected by both mechanical and chemical weathering? If so, describe the scene and situations.

Question 7 :Why is hearing such an important adaptation in vertebrates?

Question 8 :What advantages does hearing give an animal in its natural environment?

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How does human hearing compare with that of other animals?

Animal	Total Range Low Value(Hz)	Total Range High Value(Hz)	Extreme Range Low Value(Hz)
Bat			
Crocodile			
Dolphin			
Human			
Mouse			
Snake			