	Diffraction and Interference king Guide Date:	
Main Ideas, Key Points, Questions: ter watching the video segment, write own key points, main ideas, and big uestions.	Objective(s): Inderstand how sound waves behave when they are either reflected of diffracted by a physical boundary. Inderstand how sound waves experience constructive and destructive interference and how these apply to the creation of beats. Notes: During the video segment, use words, phrases, or drawings to take notes.	6

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Unit 6D Sound Diffraction and Interference *Questions to Consider*

Date:

Name:

Answer the following.

1. Define diffraction in your own words.

2. What types of sound waves diffract more than others?

3. When you hear thunder from far away, does it have a high pitch or a low pitch? Explain.

4. Define reflection in your own words.

5. Describe what happens to the amplitude of sound waves that experience constructive interference.

6. Describe what happens to the amplitude of sound waves that experience destructive interference.



Unit 6D Sound Diffraction and Interference *Questions to Consider*

Date:

Name:

Answer the following.

7. Define the superposition principle in your own words.

8. When are beats formed?

9. How do you determine the beat frequency between two different waves?