Name:	Date:	Class:

Acoustic Mirrors Analysis Worksheet

Part 1: Recording Music with Audacity Software

1.	Describe	your	plot s	spectrum	below:
----	----------	------	--------	----------	--------

- 2. While the plot spectrum does not have labels, a graph should have them. Based on the information displayed on the spectrum:
 - A. What should the x-axis label be?
 - B. What should the y-axis label be?
- 3. The plot spectrum displays a plot of "dB vs. frequency." What is the graph showing?
- 4. On the plot spectrum, change the axis from linear to log. What is the effect?

Part 2: Recording Music with Audacity Software and the Acoustic Mirror

5. Draw a diagram of the experimental setup.

me:	Date:	Class:
Radius of curvature (C)		
A. What is the radius of curvature of your mi	rror?	
B. How did you determine the radius of curv	ature?	
Determine the focal length of your mirror. She	ow your calculation	S.
Sketch the plot spectrum below:		
How does your plot spectrum compare to the	graph in Part 1?	
rt 3: Adding Effects with Audacity Softwar	۵	
		ng this investigation
. Describe the effects you added to a sound file	mat you saved duff	ng uns mvesugauon.
	Radius of curvature (C) A. What is the radius of curvature of your mit B. How did you determine the radius of curv Determine the focal length of your mirror. Shows Sketch the plot spectrum below: How does your plot spectrum compare to the state of the spectrum compare to the state of the spectrum compare to the spe	Radius of curvature (C) A. What is the radius of curvature of your mirror? B. How did you determine the radius of curvature? Determine the focal length of your mirror. Show your calculation