

Name: \_\_\_\_\_

Section: \_\_\_\_\_

Plants and Music - Open Response Question



You are to design (not conduct) an experiment that will determine whether plants grow better with or without the addition of music. Use this sheet as your rough draft.

**a) List the materials that you will use in your experiment. (3 pts.)**

Materials:

**b) List (in detail) the steps that you will perform in your experiment. (3 pts.)**

Procedures:

**c) Describe in detail the type of data you would collect and how you would analyze and interpret your data. (3 pts.)**

Name: \_\_\_\_\_ Section: \_\_\_\_\_  
Scientific Method - Open Response Question – **THINGS TO CONSIDER**



You are to design (not conduct) an experiment that will determine whether plants grow better with or without the addition of music.

a) **List the materials that you will use in your experiment. (3 pts.)**

Materials:

*Do you have enough plants/seeds?  
Did you consider what is needed for plants/seeds to grow?  
Do you need music? How will the music be provided?  
Do you plan on measuring anything? If so, what will you need?  
**Anything you use in the procedures should be listed in this section.***

b) **List (in detail) the steps that you will perform in your experiment. (3 pts.)**

Procedures:

*Do you have a control?  
Did you explain what and how much “stuff” to use when dealing with your plant(s)/seed(s)?  
Did you account for repeated trials?  
Did you describe how/what should be measured? How often?  
How long do you grow the plants?  
**Procedures should be numbered and detailed enough for anyone to follow.***

c) **Describe in detail the type of data you would collect and how you would analyze and interpret your data. (3 pts.)**

*Would you collect qualitative or quantitative data? Explain.  
After collecting your data, what would you do to make it visually easier to analyze?  
What would you conclude from the data? – “Since the plants ... the music...”*

**PLEASE REMEMBER TO HAND IN BOTH A ROUGH DRAFT AND  
A FINAL DRAFT!**