## **Experiment 1 Worksheet: A Submarine Adventure: Density Saves the Day**

<u>Purpose:</u> (A statement should be made here regarding what your experiment is designed to accomplish.)
Procedure: (Describe here how you went about completing your experiment. Use enough detail that someone could repeat it, if necessary. Also reference any books or manual you may have used to assist you.)
Data: Balloon Description(s):
Metal Pellets Description(s):
Mass of Balloon and Pellets:
Volume of Salt Water: Mass of Salt Water
Density of Salt Water
Volume of Balloon Needed to Match Salt Water Density:
Final Volume of Submarine Design:
Final Density of Submarine Design:
Additional Comments:

<u>Calculations:</u> (Show all calculations used to produce the above data here.)
Conclusions: (Summarize your results here and discuss possible errors that may have occurred during
the testing and design of your submarine. Keep in mind that your group wants to know if you think your design will get them to Hawaii.)