

All 7 Pages Must Have A Title!

Tsunami Pack Directions

Step #1 Title Page

- Title **1 points**
- Name. **1 points**
- Class. **1 points**
- Picture of **actual device**. **6 points**
- Date. **1 points**

Step #2 Problem Statement **5 points** for copying the Problem Statement below.

- What device, using materials that fit into the Bige-nami Machine, will convert the energy necessary-from a simulated plate tectonic event, to form a tsunami, which will then harness and convert that energy to another type of energy in order to alert potential inhabitants of the impact?

Step #3 Gathering Information

- Plate Tectonic Information summarized. **8 points**
- Newton's three laws listed. **2 points**
- Wave information diagram. **5 point**
- Inspiration 8 Energy Diagram **5 point**

Step #4 Hypothesis **5 points** for naming the design and copying the Hypothesis below.

- The _____ design will fit into the Bige-nami Machine and convert energy from the Tsunami wave while it alerts potential inhabitants of the impact area.

Step #5 Procedure

- Materials list. **5 points**
- Assembly Instructions. Use Past Tense. **10 points**
- Diagram. **10 points**

Next page

Step #6 Record and Analyze

- Give a summary of the three trials. **5 points**
- Provide graph of the three trials of operation with the measured amplitude of the wave and whether it was successful or not. **5 points**
- Interpret the graph and results. **10 points**

Step #7 Conclusion

- Hypothesis correct? Restate the hypothesis in some way. **5 points**
- Why is it correct or incorrect? **5 points**
- What would you do differently for the procedure? (design changes etc.)? **5 points**