

All 7 Pages Must Have A Title!

Tsunami Pack Directions

Step #1 Title Page

- Title
- Name.
- Class.
- Picture of **actual device**.
- Date.

Step #2 Problem Statement **Copy** 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.
- Newton's three laws listed.
- Wave information diagram.

- Energy Transfer Diagram

Step #4 Hypothesis Name the design and copy 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.
- Assembly Instructions. Use Past Tense.
- Diagram of Your Design

Step #6 Record and Analyze

- Provide a graph of the three trials of operation with the measured amplitude of the wave and whether it was successful or not.
- Interpret the graph and results.

Step #7 Conclusion

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