

Make sure that each step is saved as a separate document located in your science folder. The color printer can be used for the Record and Analyze and Title pages only.

Tsunami Pack

Title Page

Title
Name.
Class.
Picture.
Date.

Problem Statement

What designs, 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?

Gathering Information

Plate tectonic Information summarized
Newton's three laws listed
Wave information diagram
Energy Transformation explained
Energy Types defined

Hypothesis

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.

Procedure

Materials list.
Assembly Instructions. *Past Tense*
Diagram.
Operation Instructions.

Next page

Record and Analyze

- ◇ What happened when you operated it? Explain.
- ◇ Provide a table and graph of three trials of operation and the measured amplitude of the wave.
- ◇ Interpret the graph and results.

Conclusion

Hypothesis correct? Restate the hypothesis in some way.

Why is it correct?

What would you do differently for the procedure (design changes etc.)?