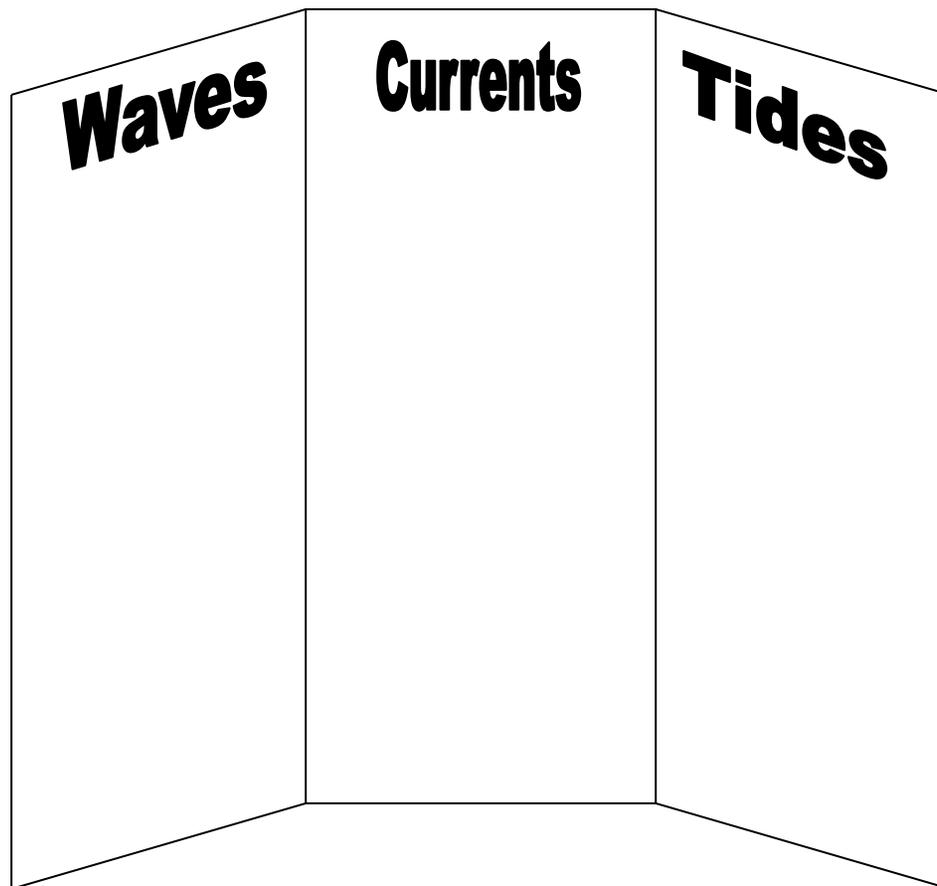


## **Waves, Currents, and Tides Tri-Fold**

Directions:

1. Create a tri-fold brochure as noted below. I have my students use a plain piece of colored paper, then label the three sections. This saves copies and copy time!
2. Cut out the pieces on page 2. Sort them into the three categories for the brochure, then glue into the brochure.
3. If using Science Interactive Notebooks, the back section behind "Currents" can be glued into the notebook.
4. After folding, we title this "The Motion of the Ocean."



The repeated movement of water.	Parts = crest, trough, wavelength, wave height	The rise and fall of water in the oceans.
Occurs about twice each day.	Flowing streams of water that move through the ocean in a specific direction.	Surface currents are caused by wind.
They flow in curved paths because of Earth's movement.	Changes shape as it reaches the shore.	A breaker is formed when the top curls over.
Caused by the pull of the moon's gravity.	High tide = highest water level	Low tide = lowest water level
Tsunamis are giant sea waves caused by underwater earthquakes, volcanic eruptions or landslides.	Caused by wind blowing across the surface of the water.	The water facing the Moon "bulges" as Earth spins on its axis.
Warm surface currents come from the equator up to higher latitudes.	Cold surface currents come from the polar regions toward the equator.	They help move warm and cold water to different parts of Earth.

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## KEY

The repeated movement of water. <b>W</b>	Parts = crest, trough, wavelength, wave height <b>W</b>	The rise and fall of water in the oceans. <b>T</b>
Occurs about twice each day. <b>T</b>	Flowing streams of water that move through the ocean in a specific direction. <b>C</b>	Surface currents are caused by wind. <b>C</b>
They flow in curved paths because of Earth's movement. <b>C</b>	Changes shape as it reaches the shore. <b>W</b>	A breaker is formed when the top curls over. <b>W</b>
Caused by the pull of the moon's gravity. <b>T</b>	High tide = highest water level <b>T</b>	Low tide = lowest water level <b>T</b>
Tsunamis are giant sea waves caused by underwater earthquakes, volcanic eruptions or landslides. <b>W</b>	Caused by wind blowing across the surface of the water. <b>W</b>	The water facing the Moon "bulges" as Earth spins on its axis. <b>T</b>
Warm surface currents come from the equator up to higher latitudes. <b>C</b>	Cold surface currents come from the polar regions toward the equator. <b>C</b>	They help move warm and cold water to different parts of Earth. <b>C</b>

Thanks for downloading my product! I test each product in my classroom before posting. If it works for me, then I hope it works for you! I also love graphics, but typically do not use them on my teacher-made items to save ink/toner and to keep things simple. So, everything in my store is kind of plain. I let my students be the designers and add their own personal touch to their work when it is appropriate.