

Why the Tides?

Have you ever explored a tide pool? . Certain creatures inhabit the tidal zone where they must adapt to breathing oxygen from the air or retrieving it from the water. If you have never explored the tidal zone you can do this two times each day in most parts of the world. Why is this?

The question:

What causes the tides and how can we predict when the next high and low tides will occur?

The tasks:

- Create a presentation that explains the reasons for the tides and demonstrate the pattern of high and low tides in the Puget Sound.
- Include examples of marine life that is dependent/affected by the tides.
- Collect info about the cause of the tides.
- Find a tide table and graph the high and low tides for a two-week period. Explain the pattern shown. Explain how you chose to **graph your data using a double line graph**.

