

Tide Table Discussion Guide

1. What kinds of people would find a tide table useful and why? (researchers, sailors, clam diggers, tourists, etc.)
2. Find the highest and lowest tides listed in the tide table for this month. Figure out the difference between these two numbers. This is the tidal range. What events are causing these tidal changes to be so extreme?
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3. What is sea level? In what way is sea level different than Mean Lower Low Water?
4. How many high tides and how many low tides does the Oregon coast have each day?
5. List the time and the tide level for all four tides today.
6. Are the two high tides the same height today? Are they the same height any day this week?
7. What effects might the ebbing and flooding of the tide have on the animals and plants that live in the estuary?
8. If there is a bad storm blowing on the day you want to go clamming, how do you think the storm will affect the tide level?
9. Give the date, the tide level, and the time that you would like to go clamming.
10. Give one example of other information you can obtain from your tide table.