

Tidal Chart

Name: _____

Use the chart below to gather information for five days about the tidal changes in a city and state in the United States. After recording the tidal changes, answer the questions about your data.

Tidal Data City/State: _____

Date: _____

| Time: | Check the tide: | Measurement of Sea Level: | Weather Conditions: |
|-------|---|---------------------------|---------------------|
| | <input type="checkbox"/> High Tide <input type="checkbox"/> Low Tide | | |
| | <input type="checkbox"/> High Tide <input type="checkbox"/> Low Tide | | |
| | <input type="checkbox"/> High Tide <input type="checkbox"/> Low Tide | | |
| | <input type="checkbox"/> High Tide <input type="checkbox"/> Low Tide | | |

Date: _____

| Time: | Check the tide: | Measurement of Sea Level: | Weather Conditions: |
|-------|---|---------------------------|---------------------|
| | <input type="checkbox"/> High Tide <input type="checkbox"/> Low Tide | | |
| | <input type="checkbox"/> High Tide <input type="checkbox"/> Low Tide | | |
| | <input type="checkbox"/> High Tide <input type="checkbox"/> Low Tide | | |
| | <input type="checkbox"/> High Tide <input type="checkbox"/> Low Tide | | |

Date: _____

| Time: | Check the tide: | Measurement of Sea Level: | Weather Conditions: |
|-------|---|---------------------------|---------------------|
| | <input type="checkbox"/> High Tide <input type="checkbox"/> Low Tide | | |
| | <input type="checkbox"/> High Tide <input type="checkbox"/> Low Tide | | |
| | <input type="checkbox"/> High Tide <input type="checkbox"/> Low Tide | | |
| | <input type="checkbox"/> High Tide <input type="checkbox"/> Low Tide | | |

Tidal Chart (page 2)

Date: _____

| Time: | Check the tide: | Measurement of Sea Level: | Weather Conditions: |
|-------|---|---------------------------|---------------------|
| | <input type="checkbox"/> High Tide <input type="checkbox"/> Low Tide | | |
| | <input type="checkbox"/> High Tide <input type="checkbox"/> Low Tide | | |
| | <input type="checkbox"/> High Tide <input type="checkbox"/> Low Tide | | |
| | <input type="checkbox"/> High Tide <input type="checkbox"/> Low Tide | | |

Date: _____

| Time: | Check the tide: | Measurement of Sea Level: | Weather Conditions: |
|-------|---|---------------------------|---------------------|
| | <input type="checkbox"/> High Tide <input type="checkbox"/> Low Tide | | |
| | <input type="checkbox"/> High Tide <input type="checkbox"/> Low Tide | | |
| | <input type="checkbox"/> High Tide <input type="checkbox"/> Low Tide | | |
| | <input type="checkbox"/> High Tide <input type="checkbox"/> Low Tide | | |

After charting the tidal changes for the area you selected, answer the following questions.

1. Identify the tidal range for the city/state you selected.

2. Describe the weather conditions, if any, that may have affected the tidal range:

3. Explain why the tides are about every 6 hours and 12.5 minutes instead of every 6 hours.

4. Identify possible reasons that a city/state may have different tidal ranges than another area in the United States or in the world. _____

5. Name an area on Earth that has some of the largest tidal ranges in the world.
