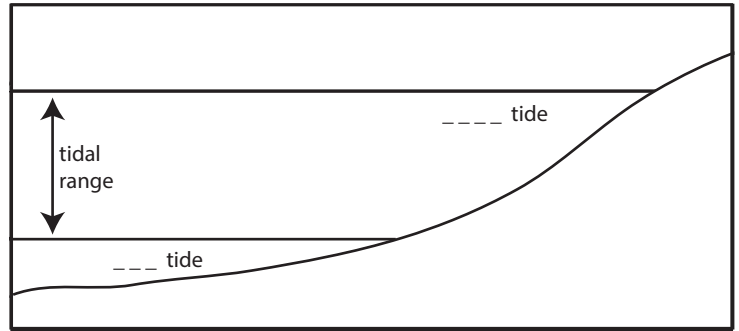


Fill in the missing words:

Water levels in coastal areas alternate between \_\_\_\_\_ tide and \_\_\_\_\_ tide twice every day.

The difference in tide height is called the tidal \_\_\_\_\_.



Study the tide chart below for Mont Saint Michel in Normandie, France then answer the questions:

Mont Saint Michel in France receives some of the greatest tidal ranges in the world. Work out the difference in height between high tide and low tide for each day of the week on the chart below.

(To work out the tidal range: Subtract low tide from high tide)

Friday 3rd June 2016	Saturday 4th June 2016	Sunday 5th June 2016	Monday 6th June 2016	Tuesday 7th June 2016	Wednesday 8th June 2016	Thursday 9th June 2016
▼ 1st tide (low) Time 00:59 Height 2.4 m	▼ 1st tide (low) Time 01:54 Height 1.7 m	▼ 1st tide (low) Time 02:44 Height 1.3 m	▼ 1st tide (low) Time 03:32 Height 1 m	▼ 1st tide (low) Time 04:17 Height 1 m	▼ 1st tide (low) Time 05:01 Height 1.3 m	▼ 1st tide (low) Time 05:45 Height 1.8 m
▲ 2nd tide (high) Time 06:26 Height 11.6 m	▲ 2nd tide (high) Time 07:16 Height 12.2	▲ 2nd tide (high) Time 08:02 Height 12.5 m	▲ 2nd tide (high) Time 08:47 Height 12.6 m	▲ 2nd tide (high) Time 09:32 Height 12.5 m	▲ 2nd tide (high) Time 10:15 Height 12.1 m	▲ 2nd tide (high) Time 11:00 Height 11.5 m
tidal range = 11.6 - 2.4 = 8.2m	tidal range	tidal range	tidal range	tidal range	tidal range	tidal range
▼ 3rd tide (low) Time 13:27 Height 1.9 m	▼ 3rd tide (low) Time 14:19 Height 1.4m	▼ 3rd tide (low) Time 15:07 Height 1.2 m	▼ 3rd tide (low) Time 15:53 Height 1.1 m	▼ 3rd tide (low) Time 16:37 Height 1.3 m	▼ 3rd tide (low) Time 17:20 Height 1.8	▼ 3rd tide (low) Time 18:04 Height 2.3 m
▲ 4th tide (high) Time 18:52 Height 11.9 m	▲ 4th tide (high) Time 19:39 Height 12.4 m	▲ 4th tide (high) Time 20:24 Height 12.7 m	▲ 4th tide (high) Time 21:09 Height 12.8 m	▲ 4th tide (high) Time 21:52 Height 12.5 m	▲ 4th tide (high) Time 22:35 Height 12.1 m	▲ 4th tide (high) Time 23:20 Height 11.4 m
tidal range	tidal range	tidal range	tidal range	tidal range	tidal range	tidal range

1) When will the highest tide for the week occur?

date: \_\_\_\_\_

24 hour time: \_\_\_\_\_

12 hour time: \_\_\_\_\_

2) When will the lowest tide for the week occur?

date: \_\_\_\_\_

24 hour time: \_\_\_\_\_

12 hour time: \_\_\_\_\_

3) On what day does the greatest tidal range occur?

date: \_\_\_\_\_

24 hour time: \_\_\_\_\_

12 hour time: \_\_\_\_\_

4) At what time is the first high tide on Friday 3rd June 2016?

5) At what time is the first high tide on Saturday 4th June 2016?

6) At what time is the first high tide on Sunday 5th June 2016?

5) At what time is the first high tide on Monday 6th June 2016?

6) What do you notice about the times of the tides as the days pass?

Why is it important to know tide times for Mont Saint Michel?

