

Name

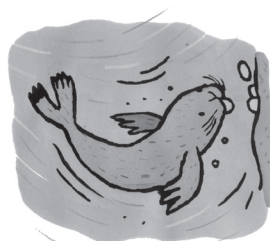
Date

Finding data in a tide timetable

Did you know that the seas and rivers in our country are not always at the same level? The gravitational pull of the moon causes the water level to rise and fall, twice a day. When the water level is high this is called High Tide (or High Water); when it is low it is called Low Tide (or Low Water). Depending on the position of the moon, there can be very high tides and very low tides. Severe storms can also cause very high tides which can lead to flooding. In Europe the biggest variation, or difference, between high and low tides is found in the west of England in the Severn Estuary, where differences of 12 metres are common.

Using tide tables it is possible to see where, and when, a high tide will occur on any date at a particular location. Look at the table, which shows times and heights for a week in the Severn Estuary. Then answer the questions on the following page.

	Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday	
	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High
Time	02:33	09:21	03:21	10:06	04:22	11:05	05:40	12:22	07:34	13:51	08:43	15:03	09:41	16:02
Water	2.5m	8.7m	2.9m	8.3m	3.4m	7.9m	3.9m	7.8m	3.8m	8.1m	3.1m	8.8m	2.4m	9.5m



Name

Date

Finding data in a tide timetable - Questions.

Q1 - Do low tide and high tide happen at the same time every day?

Q2 - On which day is the tide at its lowest?
.....

Q3 - On which day is the tide at its highest?
.....

Q4 - On which day is the earliest low tide?
.....

Q5 - On which day is the earliest high tide?
.....

Q6 - On which day is the latest low tide?
.....

Q7 - On which day is the latest high tide?
.....

Q8 - What is the difference between low and high tide on Tuesday?.....

Q9 - What is the difference between low and high tide on Wednesday?.....

Q10 - What is the difference between low and high tide on Friday?.....

Q11 - On which day is the difference between low and high tide the least? Name the day and the difference in the tides.
.....

Q12 - On which day is the difference between low and high tide the most? Name the day and the difference in the tides.....
.....
.....