

Name: \_\_\_\_\_ Period: \_\_\_\_\_

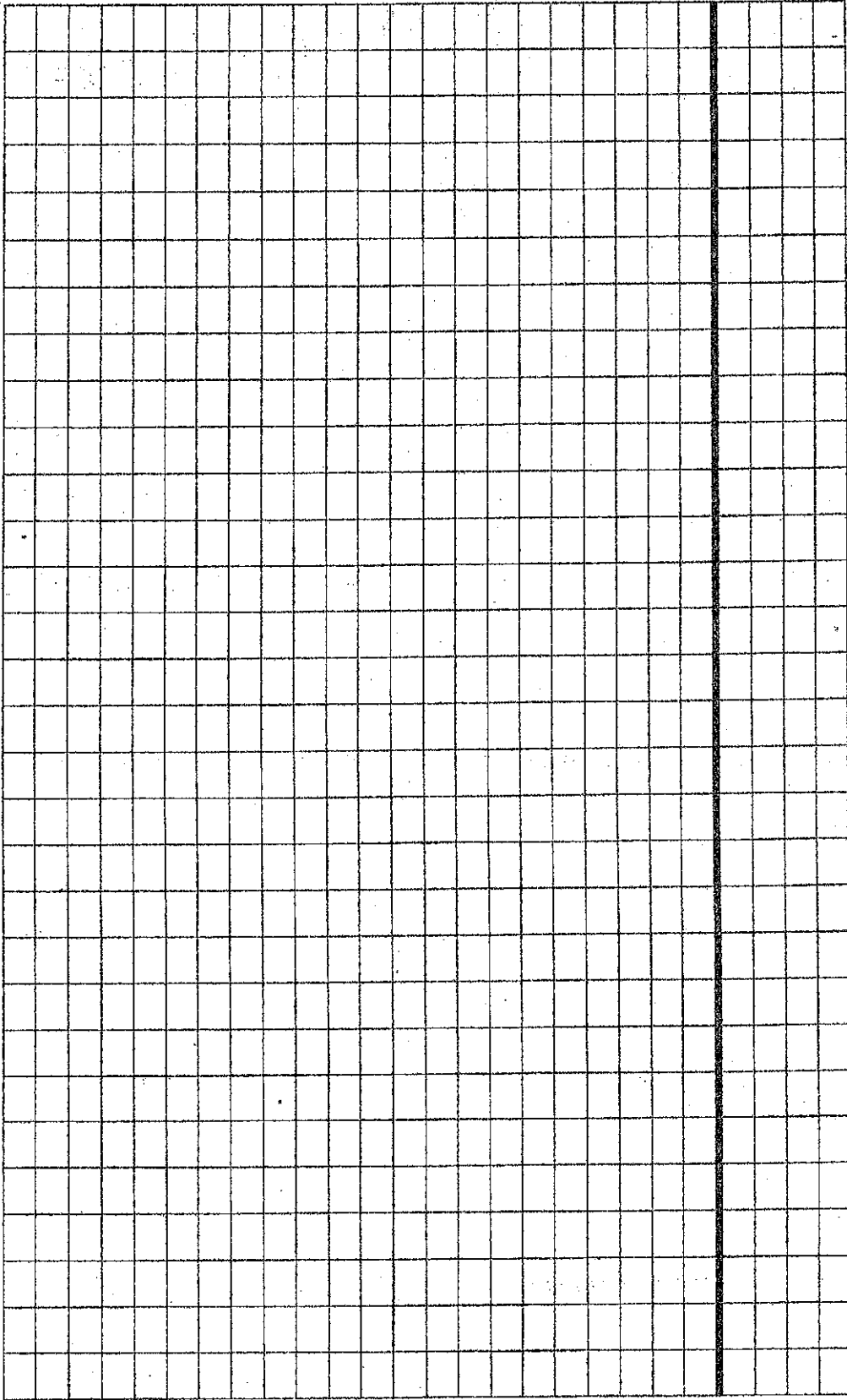
## Trendy Tides

1. Record the phase of the moon for each date in the data table.

Date	High Tide (ft)	Low Tide (ft)	Phase of the Moon
November: 16	6.3	-0.9	
21	5.0	3.0	
24	4.1	2.5	
27	5.0	1.2	
December: 2	6.7	-1.5	
5	6.2	1.4	
9	4.8	1.7	
12	5.9	-0.3	
16	6.1	-1.0	

2. Graph the high and low tides on your graph sheet. Create two line graphs – one for high tides and one for low tides! Don't forget to include a key!
3. Describe the line pattern for each tide. Be sure to explain when the high tide is falling and the low tide is rising.
4. On your graph, label the Spring and Neap Tides. What evidence did you use to identify the Spring and Neap Tides?
5. What phase of the moon occurs during the Spring Tides? The Neap Tides?
6. Predict the date of the next Neap Tide and Spring Tide. Explain your reasoning.
7. Use evidence from your graph to explain how the phases of the moon affect the tides.

High and Low Tides for San Diego, CA, Nov - Dec 2009



1-00

10-05+

(M)

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Date

