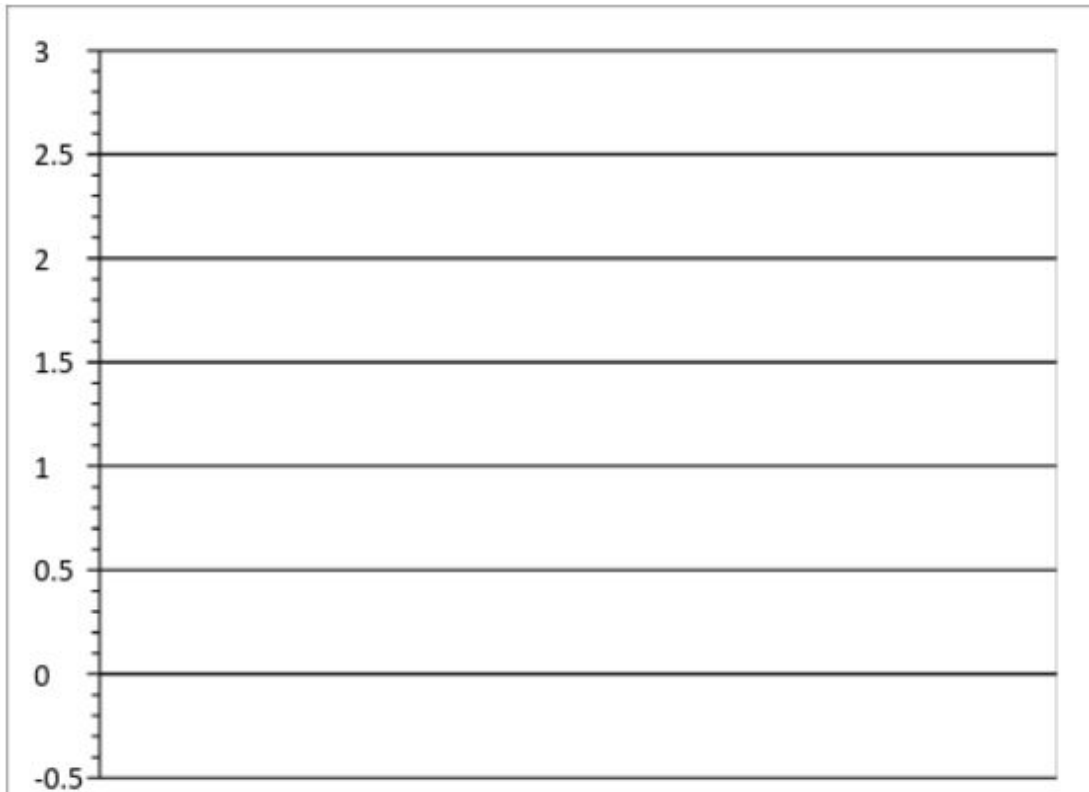


## Glencoe Tides Simulation

Moon Phase	Date	Initial Water Level	Low Tide 1		High Tide 1		Low Tide 2		High Tide 2	
			Time	Level	Time	Level	Time	Level	Time	Level
New Moon										
First Quarter										
Full Moon										
Last Quarter										



Low Tide 1
High Tide 1
Low Tide 2
High Tide 2

<b>Key</b>			
<b>New</b>	<b>First Quarter</b>	<b>Full</b>	<b>Third Quarter</b>

## Glencoe Online Tides Simulation

### ANALYSIS

1. What is the name of the location where your tide measurements were taken?
2. During which phase of the moon were tides the highest?
3. The lowest?
4. What caused the tides to be higher or lower (in questions 2 and 3)?
5. What type of tides (Spring or Neap) occur during each of the moon phases? Explain your answers using your graph and the positions of the Earth, Moon and Sun (you may have to refer back to your notes).
  - a. New Moon:
  - b. Full Moon:
  - c. First Quarter:
  - d. Last Quarter:
6. During which phase of the Moon is the Spring tide higher? Why do you think the range between the low and high tides is higher at this time?
7. How many hours occur between EACH tide?
8. How many hours occur between each high tide?
9. From this activity you have learned that the Moon is a big part of tidal activity. How would the tides be different if the Moon revolved around the Earth twice a month instead of once a month?