# Warm Up 4: Tides 11-15-18

LT I can explain how the moon affects the tides.

- Q1. What is it called when the moon is bigger than half full?
- Q2. What is the alinement of the sun, earth and moon at a full moon?

#### Warm Up : Tides 11-15-18

LT I can explain how the moon affects the tides.

Q1. What is it called when the moon is bigger than half full?

A1) Gibbous

Q2. What is the alinement of the sun, earth and moon at a full moon?

A2) They are all aligned on one axis (in a row)

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Quiz: Space

Out of 10.5 12 Points possible

Ask neighbors questions

Ask LeMay

# <u>Vocab</u>

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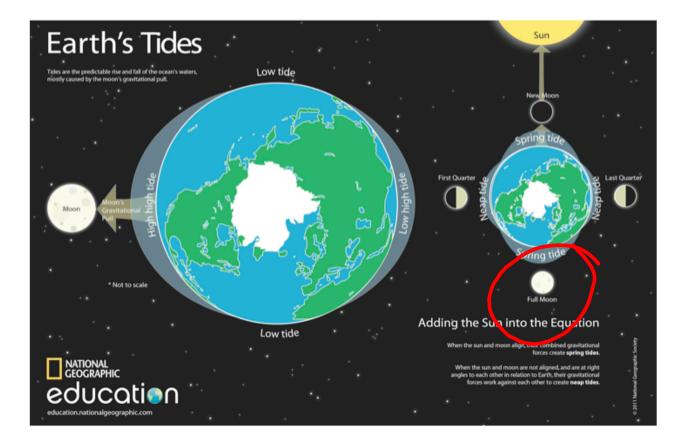
**Spring Tides:** When the sun, Moon and Earth are in general alignment, creating larger tides

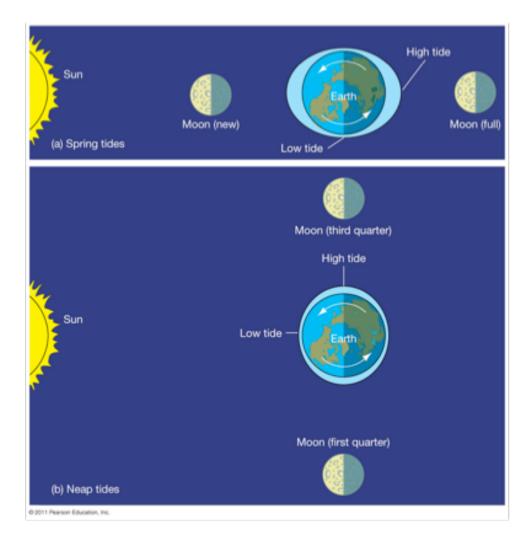
-Happen twice a month at New and Full moon phase

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**Neap tides:** When the earth and the sun make a right angle with the line from Earth and Moon

- -Gravitational pull from Sun and Moon counteract each other
- -Happen twice a month at 1<sup>st</sup> and 3<sup>rd</sup> quarter phases.





### HW 6: Moon & Tides

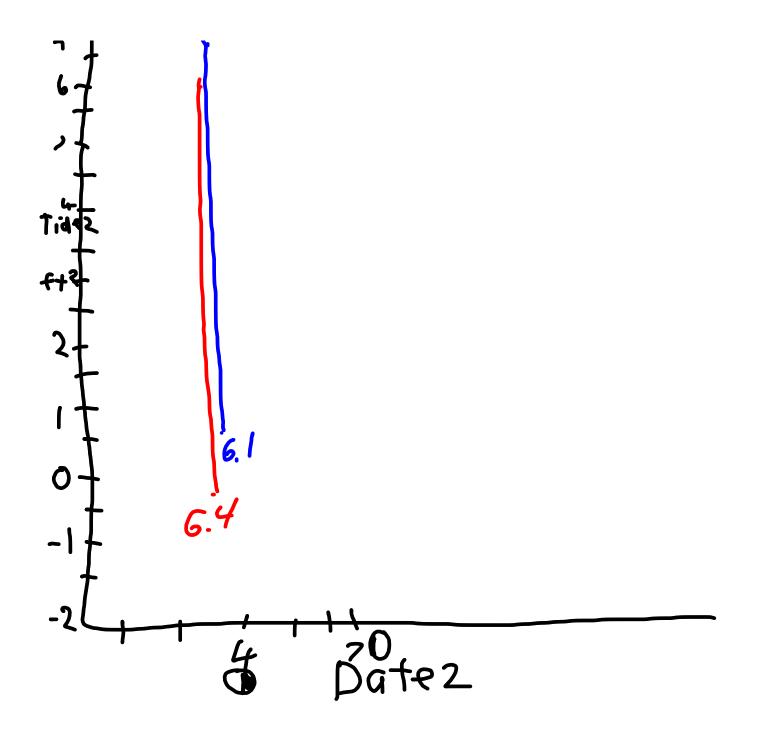
Look at the handout on high and low tides

Use the data to make a line graph

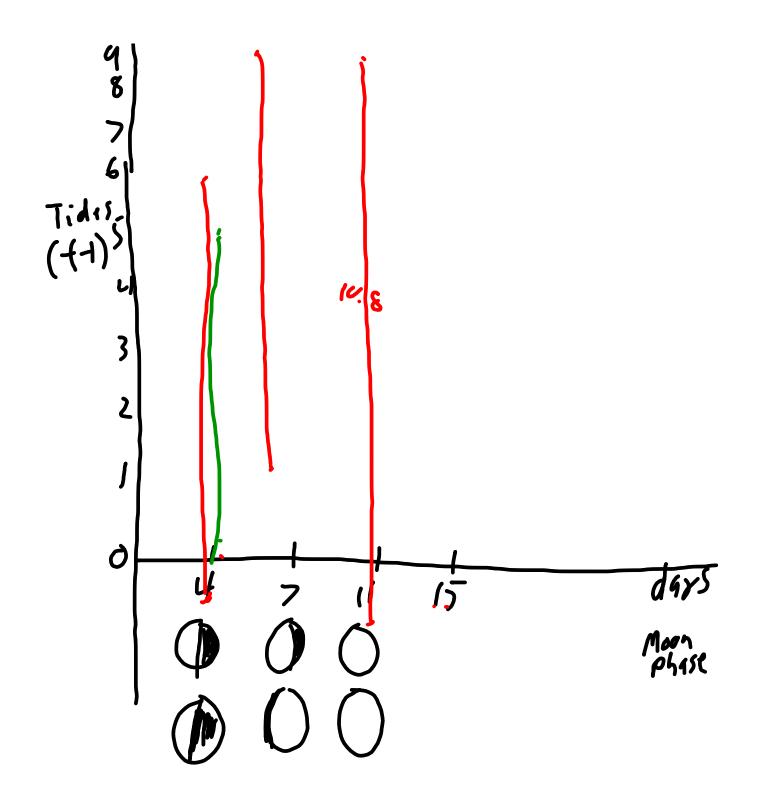
1.What should our x and y axis be labeled

2.What values should we start our x and y axis

3.How can we put the different moon phases on our graph



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#### Warm Up : Tides 11-15-18

LT I can explain how the moon affects the tides.

- Q1. What is it called when the moon is bigger than half full?
- Q2. What is the alinement of the sun, earth and moon at a full moon?
- Q3. What is the differnece between a neap tide and spring tide?
- Q4 How does the allignment of the moon affect tides?

#### Warm Up : Tides 11-15-18

LT I can explain how the moon affects the tides.

- Q3. What is the difference between a neap tide and spring tide?
- A3. Neap tide is a smaller tide, Spring tides are the largest tides.

Q4 How does the alignment of the moon affect tides?

A4) When the moon, earth and sun are in alignment (in a row) the gravitational pull is amplified and we get spring tides. When the moon in 90 degrees to the earth and sun, the pull is minimized and we get neap tides.