Name _____ Pd _____ # _____

Tides for Atlantic City, NJ - January 2015

	Height of High Tide (ft)		
Date	**AM**	**PM**	**Moon Phase**
Jan 4, 2015	4.7	3.6	Full Moon
Jan 8, 2015	4.3	3.4	Waning Gibbous
Jan 13, 2015	3.3	3.1	Last Quarter
Jan 16, 2015	4	3.2	Waning Crescent
Jan 20, 2015	5.2	4	New Moon
Jan 23, 2015	5.1	4.3	Waxing Crescent
Jan 26, 2015	-	3.9	First Quarter
Jan 29, 2015	4.1	3.3	Waxing Gibbous

Directions:

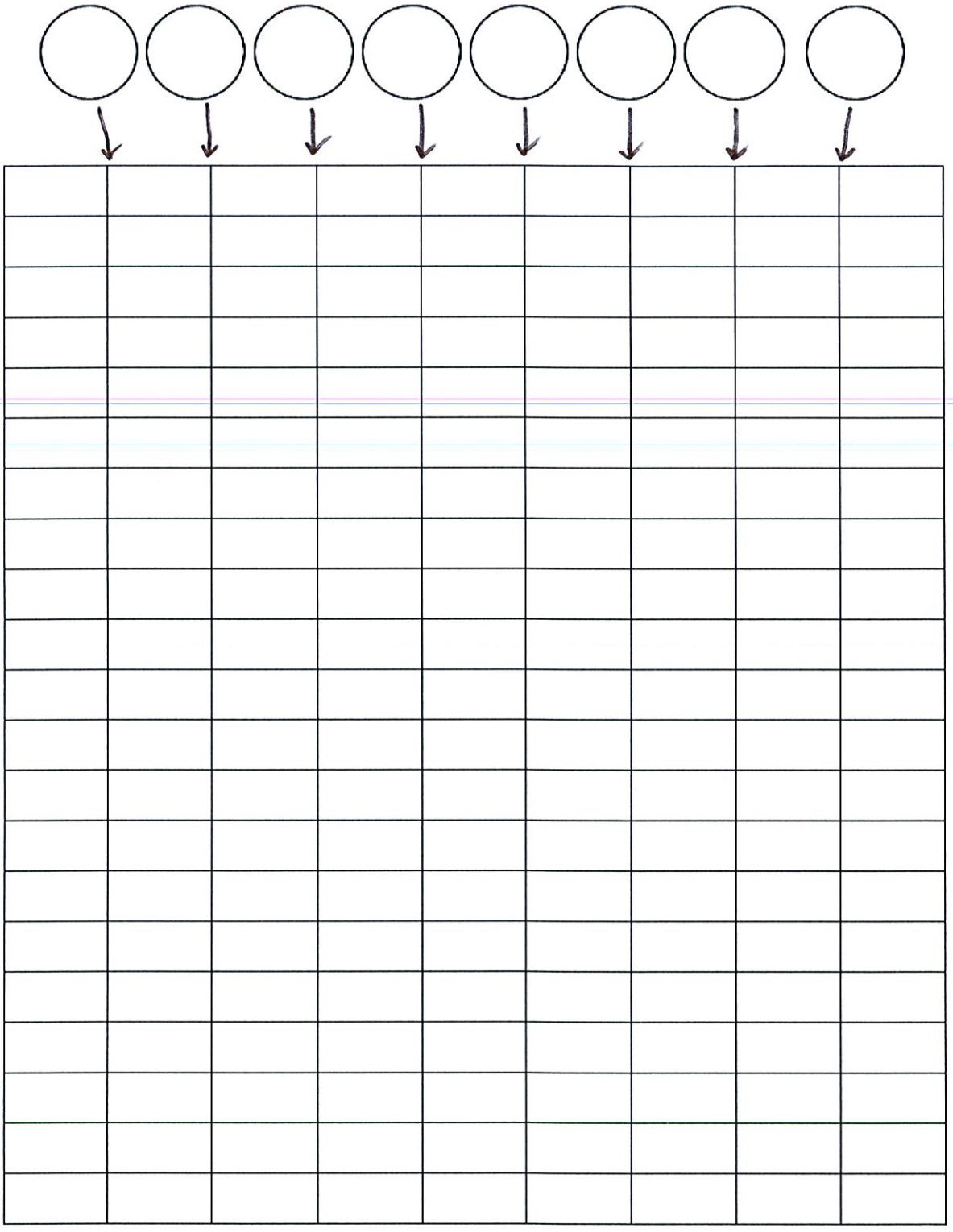
1. Looking at the data above, add the January dates to the x-axis of your graph.
2. Add a title to your x-axis
3. Draw the phases of the moon for each corresponding date
4. On the y-axis, add the increments for feet, be sure to evenly space them
5. On the y-axis, add your title
6. Using a red colored pencil, add the data points for the high tides for AM
7. Connect the data points using a smooth/wavy line
8. Using a blue colored pencil, add the data points for the high tides for PM
9. Connect the data points using a smooth/wavy line
10. Add a key to your graph.

Analysis: Answer the questions below using your data chart and graph. Be sure to list the date, time of day (am/pm), feet, and moon phase in your answer as needed.

1. When did the highest high tide occur? When did the lowest high tide occur?
2. When did the largest difference in high tide occur on the same day?
3. When did the smallest difference in high tide occur on the same day?
4. Were Neap Tides or Spring Tides higher? Explain.
5. Were there any other patterns that you notice?

Name _____ _____ _____

Tides for Atlantic City, NJ - January 2015



Name Sample Pd #

Tides for Atlantic City, NJ - January 2015

Date	Height of High Tide (ft) AM	PM	Moon Phase
Jan 4, 2015	4.7	3.6	Full Moon
Jan 8, 2015	4.3	3.4	Waning Gibbous
Jan 13, 2015	3.3	3.1	Last Quarter
Jan 16, 2015	4	3.2	Waning Crescent
Jan 20, 2015	5.2	4	New Moon
Jan 23, 2015	5.1	4.3	Waxing Crescent
Jan 26, 2015	-	3.9	First Quarter
Jan 29, 2015	4.1	3.3	Waxing Gibbous

Directions:

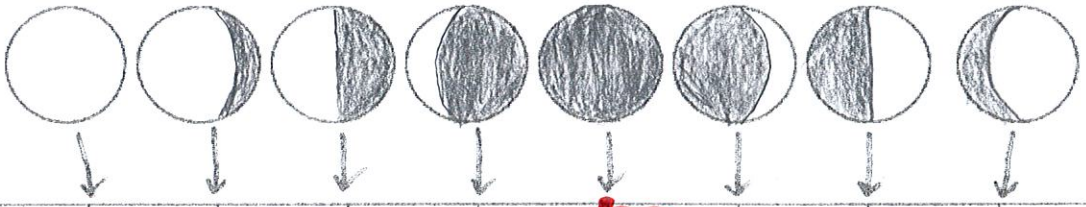
1. Looking at the data above, add the January dates to the x-axis of your graph.
2. Add a title to your x-axis
3. Draw the phases of the moon for each corresponding date
4. On the y-axis, add the increments for feet, be sure to evenly space them
5. On the y-axis, add your title
6. Using a red colored pencil, add the data points for the high tides for AM
7. Connect the data points using a smooth/wavy line
8. Using a blue colored pencil, add the data points for the high tides for PM
9. Connect the data points using a smooth/wavy line
10. Add a key to your graph.

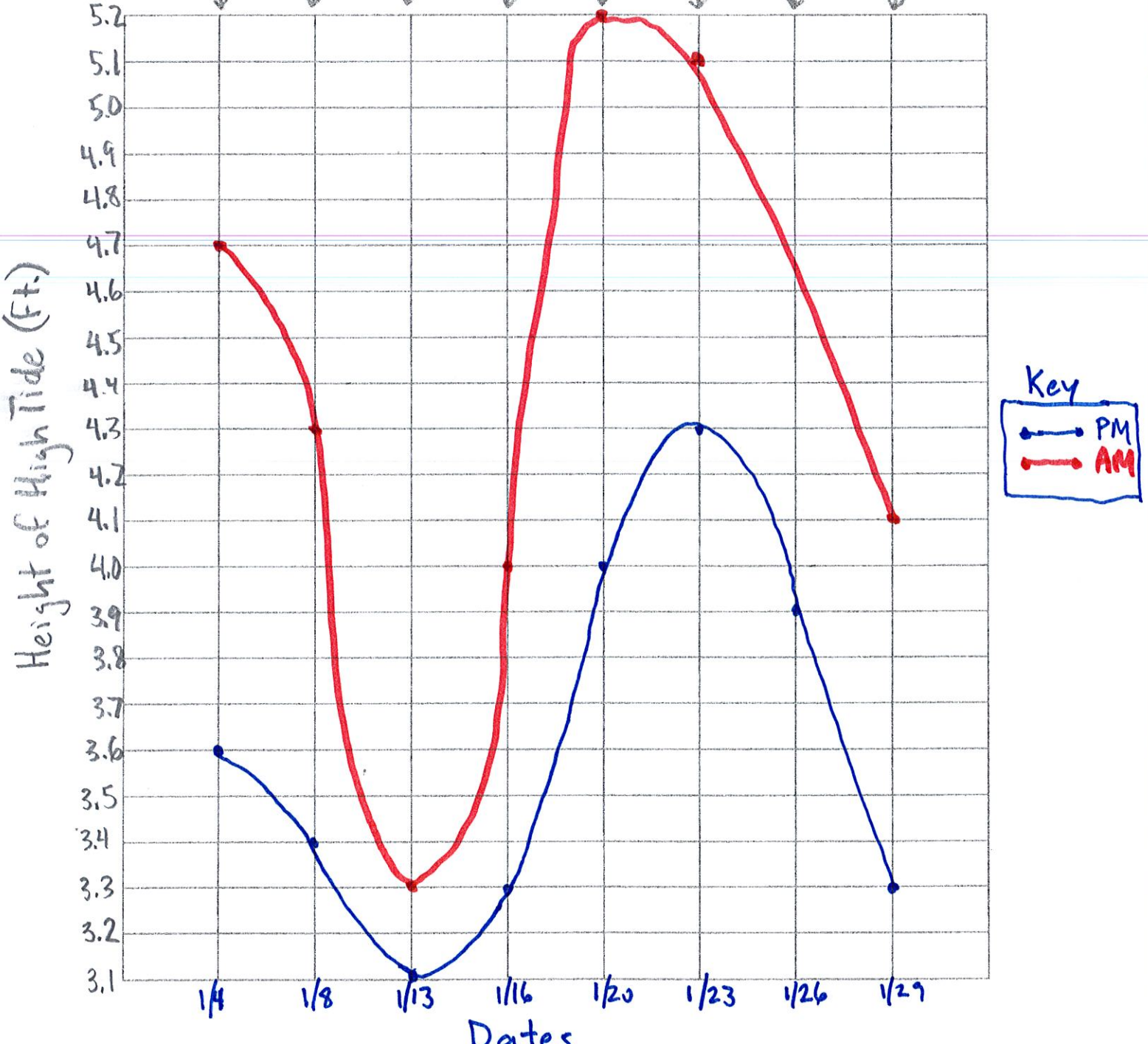
Analysis: Answer the questions below using your data chart and graph. Be sure to list the date, time of day (am/pm), feet, and moon phase in your answer as needed.

1. When did the highest high tide occur? When did the lowest high tide occur?
2. When did the largest difference in high tide occur on the same day?
3. When did the smallest difference in high tide occur on the same day?
4. Were Neap Tides or Spring Tides higher? Explain.
5. Were there any other patterns that you notice?

Name _____

Tides for Atlantic City, NJ - January 2015





Name _____ Pd_____ #: _____

Graphing High Tides & Moon Phases

February 2015 High Tides for Seaside Heights, NJ

Date	Height of High Tide (ft) AM	PM	Moon Phase
2/3/15	4.6	4.2	Full Moon
2/7/15	4.2	4.0	Waning Gibbous
2/11/15	3.5	(don't connect, no data)	Last Quarter
2/14/15	4.3	3.6	Waning Crescent
2/18/15	5.5	5.0	New Moon
2/21/15	5.3	5.2	Waxing Crescent
2/25/15	4.6	4.1	First Quarter
2/28/15	4.1	3.8	Waxing Gibbous

Directions:

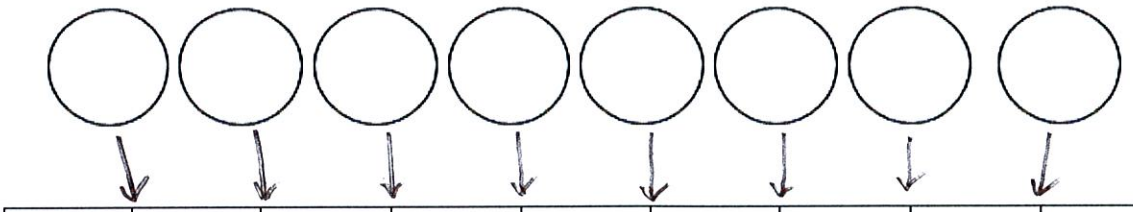
1. Looking at the data above, add the dates to the x-axis of your graph
2. Add a title to your x-axis - "Dates"
3. Draw the phases of the moon for each corresponding date
4. *On the y-axis, add the increments for feet. Be sure to evenly space numbers.*
5. On the y-axis, add your title - "Height of Water in Feet"
6. Using a red colored pencil, add the data points for the high tides for AM
7. Connect the data points using a smooth/wavy line
8. Using a blue colored pencil, add the data points for the high tides for PM
9. Connect the data points using a smooth/wavy line
10. Add a key to your graph

Analysis: Answer the questions below using your data chart and graph. Be sure to list the date, time of day (am/pm), feet, and moon phase in your answer as needed.

1. When did the highest high tide occur? When did the lowest high tide occur?
2. When did the largest difference in high tide occur on the same day?
3. When did the smallest difference in high tide occur on the same day?
4. Were Neap Tides or Spring Tides higher? Explain.
5. Were there any other patterns that you notice?

Name _____ _____ _____

Graphing High Tides & Moon Phases



Name _____ Pd_____ #_____

Graphing High Tides & Moon Phases

Name of City: _____

(Choose a city from www.saltwatertides.com website)

Date	Height of High Tide (ft) AM	PM	Moon Phase

Directions:

1. Looking at the data above, add the dates to the x-axis of your graph
2. Add a title "Dates" to your x-axis
3. Draw the phases of the moon for each corresponding date
4. On the y-axis, add the increments for feet. Be sure to evenly space numbers.
5. On the y-axis, add the title - "Height of Water in Feet"
6. Using a **red** colored pencil, add the data points for the high tides for AM
7. Connect the data points using a smooth/wavy line
8. Using a **blue** colored pencil, add the data points for the high tides for PM
9. Connect the data points using a smooth/wavy line
10. Add a key to your graph

Analysis: Answer the questions below using your data chart and graph. Be sure to list the date, time of day (am/pm), feet, and moon phase in your answer as needed.

1. When did the highest high tide occur? When did the lowest high tide occur?
2. When did the largest difference in high tide occur on the same day?
3. When did the smallest difference in high tide occur on the same day?
4. Were Neap Tides or Spring Tides higher? Explain.
5. Were there any other patterns that you notice?

Name _____ _____ _____

Graphing High Tides & Moon Phases