Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_\_\_\_

Ocean Tides

Figure 1

1. During which moon phases, will you see a Spring Tide?
2. How many Spring Tides will you see in one month?
3. During which moon phases, will see a Neap Tide?
4. How many Neap Tides will you see in one month?
5. How many days are between each Spring Tide?
6. How many days are between each Neap Tide?
7. Today we have a 1st Quarter Moon, in how many day will the next Spring Tide arrive?
8. Today we have a Full Moon, in how many days will the next Spring Tide arrive?
9. Today is a New Moon, in how many days will the next Neap Tide arrive?
10. Today we have a 3rd Quarter Moon, in how many days will you see the next Neap Tide?

Figure 2

1. How many hours does the Earth takes to do a full rotation on its axis?
2. How many high tides do you have in one day?
3. How many low tides will you see in one day?
4. What moon phase do you see in this diagram?
5. What type of tide do you see in this diagram? Spring or Neap?
6. If you are in position A, is it a high or a low tide?
7. If you are in position A, in how many hours will you see the next high tide?
8. If you are in position A, in how many hours will you see the next low tide?
9. If you are in position C, in how many hours will you see the next high tide?
10. (This question is worth 99 points of your total assignment... don’t get it wrong) Who is the best science teacher in the world?

Figure 3

1. How many hours does the Earth takes to do a full rotation on its axis?
2. How many high tides do you have in one day?
3. How many tow tides will you see in one day?
4. What moon phase do you see in this diagram?
5. What type of tide do you see in this diagram? Spring or Neap?
6. If you are in position B, is it a high or a low tide?
7. If you are in position A, in how many hours will you see the next high tide?
8. If you are in position C, in how many hours will you see the next low tide?
9. If you are in position B, in how many hours will you see is the next high tide?
10. If you are in position D, in how many hours will you see the next low tide?

Figure 4

1. How many hours are needed to complete a full cycle (for position A to go all the way to position E)?
2. What is the time when you are in position A?
3. Is there a high tide or low tide in position A?
4. How much time passed from position A to move to position B?
5. What tide is in position B?
6. How much time it passed from position B to move to position C?
7. What is the tide in position C?
8. How much time passed from position A to move to position C?
9. How much time passed from position C to move to position D?
10. How is the tide in position D?
11. How many low tides do you see in 24 hours?
12. How many high tides do you see in 24 hours?

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