

Name: _____ Class: _____ Date: _____

B.F.C. Quiz

Together with your partner, you will take a quiz that mimics Columbus's voyage from Spain to Marshfield. It is worth 15 points and you are allowed to use your "Book for Columbus" to help. When finished, please take the quiz to Mr. A so that it can be corrected.

As the ship's navigator, you have a big job ahead of you. Christopher Columbus was notoriously stubborn, cruel, and demanding, which is undoubtedly part of what made him such a successful captain. After setting out on the morning of January 29th (today), Columbus asks you, "Which day are we set to arrive in the New World, mates?"

After a few days of sailing, the date is February 1st. The sea is icy cold, but so far the voyage has gone smoothly. What phase of the moon would be visible on that night? Name the moon phase and then draw a picture of what it would look like.



On the night of February 1st, you briefly anchor your boat on a small island close to the Azores. On the island, would there be spring tides, neap tides, or neither?

The next day, on February 2nd, Columbus tries to leave the island around noon. But the ship's anchor gets stuck. The tide was too low and the anchor sank in the mud. Columbus estimates that he will need at least 6 feet of water to get the boat out. At what time do you think you'll be able to leave?

Finally, the ship is under way again. You are enjoying a peaceful nighttime cruise under the stars, when Columbus says, "If we run into trouble with the natives again, we'll need to be ready. When is the next possible solar eclipse?"

“Ah, I see,” says Columbus, “So it’s unlikely we’ll see one, but maybe we’ll get lucky again. By the way, matey, did we ever figure out why the sun seems to disappear like that?”

After another week of sailing, the date is February 10th. What phase of the moon would be visible on that night? Name the moon phase and then draw a picture of what it would look like.



Finally, because of the brief delay in the Azores, you arrive in Brant rock on February 27th at noon. Columbus asks you if the water is deep enough to sail the ship close to shore (*it needs 12 feet, to be safe*).

“Dagnabbit,” says Columbus, “Why does the ocean change its deepness so damn often?”

Columbus decides that it would be better to paddle your lifeboats to the beach. One of the sailors suggests that you should wait until high tide, so that the lifeboats don’t get stuck in the mud. Columbus agrees. Given that it is noon now, how long would you have to wait?

After finally bringing all of your supplies to shore in Brant Rock, camp is finally set up on Monday, February 29th. What phase of the moon would be visible on that night? Name the moon phase and then draw a picture of what it would look like.



The next day, a fairly large snowstorm hits the camp. Columbus is worried that water could flood the camp and ruin their food supplies. What would you tell him?