Engineering Sea Travel

Discovery TV created this video about the innovations that took place in history that allow for the world’s largest cruise liner to exist today.

https://www.youtube.com/watch?v=N3qh0SBH9EU

Clip 1: Read these questions then watch the start of the video until 7:40. Stop the video at 7:40 to answer these questions.

1) What problem did the SS Great Western attempt to solve?

2) Where is the Independence of the Seas departing from in this video?

3) What happens to wooden ships at the top of large waves?

4) What powered ships traveling across the Atlantic in 1835?

5) Who designed the SS Great Western?

6) What is Anthony Burton’s job?

7) The video says the SS Great Western made the trip across the Atlantic “twice as fast”. How many days did it take to go across the Atlantic before the SS Great Western was built?

8) What was the initial problem with a steam-powered ship?

9) What was the engineering solution to this problem?

10) Write a sentence answering whether the SS Great Western solved the problem you described in #1.

Critical Thinking: Do you agree that “big is best” in naval engineering? (You can write on the back.)

Video at: https://www.youtube.com/watch?v=N3qh0SBH9EU.

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