Clip 6: Read these questions then watch the video from 38:29 to 44:35. Stop the video at 44:35 to answer these questions.

https://youtu.be/N3qh0SBH9EU?t=38m29s

1) How do the Queen Mary’s engineers intend to improve on the elegant design of the Normandie?
_____________________________________________________________________________________

2) Where do waves form on a traditional ship? (Check all that are correct.)
   □ bow □ stern □ underneath the hull □ on top of the deck □ in the engines

3) What does drag do to a ship?
   □ slow it down □ speed it up □ make it safer □ make it unsafe □ make it less stable

4) What did engineers discover while testing a prototype of the Queen Mary?
_____________________________________________________________________________________

5) What problem do waves cause?
_____________________________________________________________________________________

6) What solution did the engineers of the Queen Mary develop?
_____________________________________________________________________________________

7) What problem do fast ships encounter?
_____________________________________________________________________________________

8) What is the solution that the Queen Mary use to solve this problem?
_____________________________________________________________________________________

9) What problem does the “bulbous bow” solve?
_____________________________________________________________________________________

10) How does the bulbous bow solve this problem?
_____________________________________________________________________________________

Critical Thinking: The narrator says a solution “massively increases the Queen Mary’s speed” (41:00). Do you agree? Explain why you agree or disagree with the narrator.
_____________________________________________________________________________________
_____________________________________________________________________________________

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