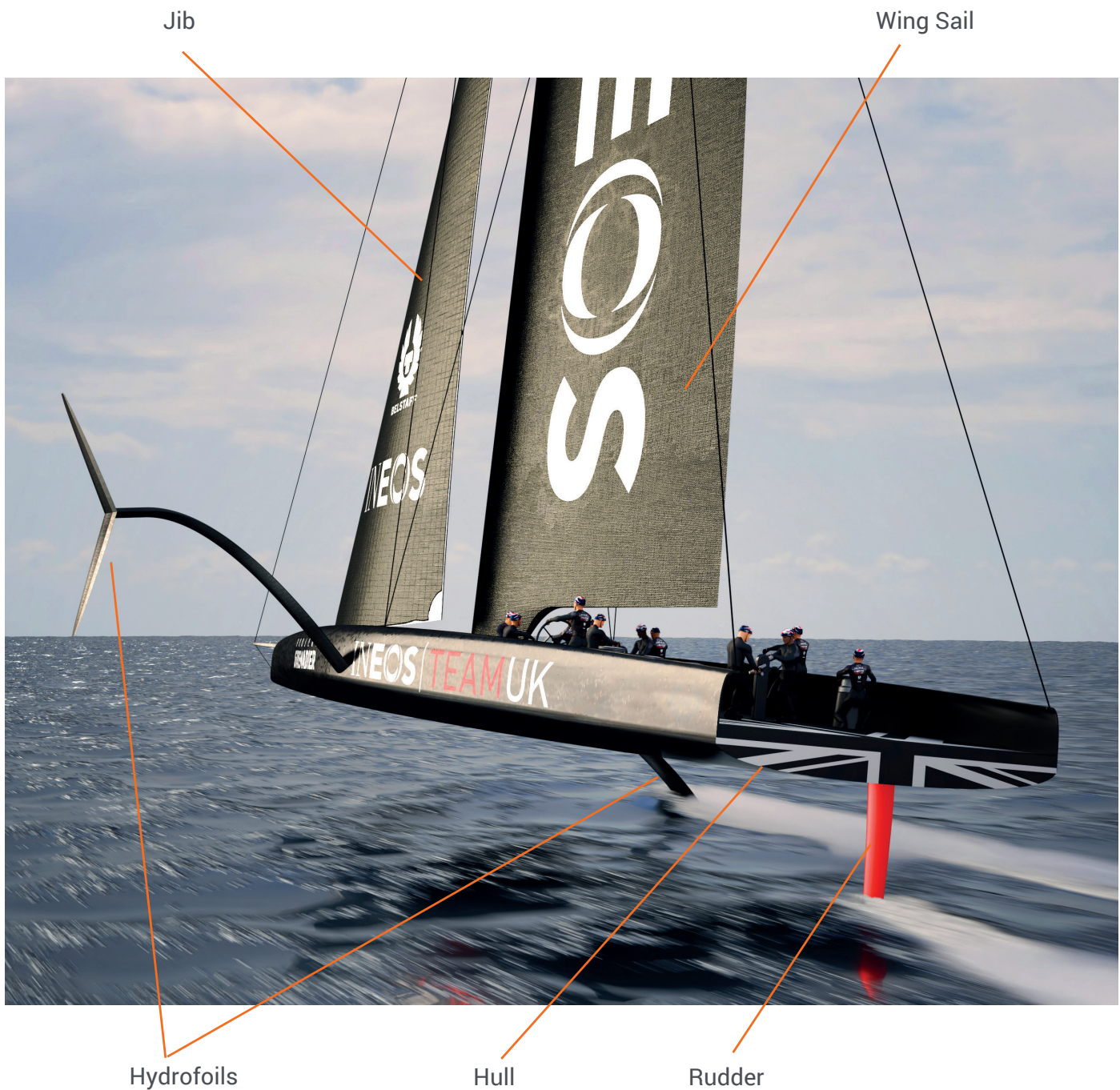


Name Class Date

Study the diagram below and answer the questions on its materials and their properties.





Name Class Date

1 Where on the boat do you think most strength is needed and why?

.....

2 What may happen if the boat is made solely from pure carbon fibre? What would be the advantages/disadvantages?

.....

3 Can you think of any advantages to a honeycomb structure rather than a solid structure?

.....

4 Would there be any disadvantages to a honeycomb structure and its use on the America's Cup Challenge boat?

.....