



Name ..... Class ..... Date .....

What materials are used on the America's Cup Challenge boat and why?  
Explore the properties of the materials listed below.  
The following words may help you to think about them:

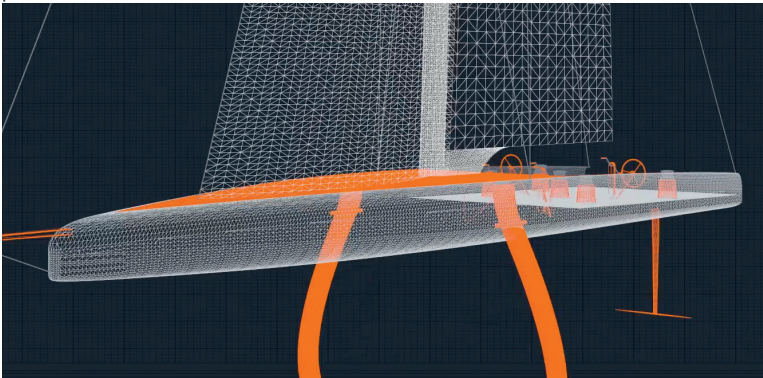
**flexible**
**tough**
**durable**

**hard**
**heavy**
**light**

**Material**

**Properties/notes**

Carbon fibre and aluminium honeycomb sandwich



Carbon fiber mast and molded carbon fiber sail cloth





**Material**

**Properties/notes**

Dyneema/spectra



Lycra, neoprene



ABS Thermoplastic

