

Name _____

NOVA: Making Stuff – Stronger

1. What piece of equipment stops planes on an aircraft carrier?
2. How thick is the cable?
3. How many F18's could one cable stop?
4. Why is steel's tensile strength important?
5. What does "toughness" of steel mean?
6. What are vests that soldiers and cops wear made from?
7. When was Kevlar first made?
8. How many layers of Kevlar does it take to stop a bullet?
9. What are 3 forms of pure carbon?
10. Why are carbon nanotubes so strong?
11. What is the inside of the toucan's beak made of?
12. What kind of strength do ceramics, chalk, and glass have?
13. How far could 1 pound of spider silk stretch?
14. Where does the spider silk come from in the goat?