

Name: _____

Science Homework: *Designing a Coat for Chase*

Please ask someone to work with you on this homework to be your 'design partner.'

In class we have already explored the material properties to make a good doghouse roof for rainy weather. Now you are going to think about which material would make a good coat for Chase to wear in case it rained and he was not in his doghouse!

- 1)** Think about the materials your group and other groups experimented with in class. Explain to your design partner what materials were tested and what was observed.

- 2)** Discuss the different materials and their properties. Which would be most comfortable to wear and be effective for keeping Chase dry?

- 3)** Draw and explain your design below. Be sure to state which material or materials you picked to use and why using evidence from our class experiment.

Materials for Coat: _____

Why did you pick these materials? _____
