



Pup Prosthetics: Engineering Mobility for Dogs in Need Student Worksheet

Describe the problem that you need to solve:

Brainstorm at least 5 ideas of how to accomplish your goal:

After discussing the different solutions with your group, choose one of the designs to create.

Which design did you choose and why?

Draw your design here. Label all the parts.

What materials will you need?

Data Collection

Describe the results of your prosthetic leg- evaluate factors like mobility, comfort, and ease of movement.

Improve it!

How can you improve your design? Describe the changes you will make

How did these changes affect the results (again, focus on factors like mobility, comfort, and ease of movement).

Calculate the dimensions of a prosthetic leg built for a real dog. How big would the actual leg need to be if the dog was an adult yellow Labrador (Ht: 57 cm; Weight: 36 kg)