

Engineer's Name: _____

Date: _____

Plan your design by drawing a sketch of your prosthetic leg below.

What materials will you need for...

- a. Leg structure:
- b. Comfort piece:
- c. Attachment piece:
- d. (Optional) Clothing:

Evaluate

As each team presents its prostheses, consider which one functioned best. Fill out the table for the materials and which material worked best for each function.

| Function | Material |
|----------|----------|
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Can you make a connection between the materials used in your prosthetic to the body system they fit into? (ex: A wooden dowel would function as part of the skeletal system.)

How do these materials work together to serve the purpose of supporting the essential life functions of the body?

Improve

What would you change about your prostheses? How could you improve the design for future prosthetics?