

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Class: \_\_\_\_\_

## Research Worksheet

### Research the following aspects of prosthetic limbs:

1. **Materials:** How have prosthetic materials changed over the years? What materials are most commonly used now? What are the advantages and disadvantages of the most commonly used materials?
2. **Controlling the prosthesis:** What are the pros and cons of current prosthetic control/movement methods?
3. **Research old-style prostheses (prior to 1940):** What kinds of materials were successfully used and how? What designs were effective for lower-leg prostheses? **Your goal** is to get information that will help you design your own lower-leg prosthesis starting tomorrow.
4. **Research current prostheses:** Which prosthesis design and materials would you choose for a below-the-knee prosthesis regardless of price? Which prosthesis design and materials would you choose if you had a limited budget?