

Name: _____ Date: _____ Class: _____

Artificial Heart Quick Design Challenge

Your Engineering Design Challenge

Design an artificial heart:

1. First, choose which material you would use for the heart tissue, and which you would choose to supply the “juice” (electricity)!
2. Then write one sentence for each material, explaining why you chose it.

Possible muscle materials (choose one)

- rubber
- silk
- aluminum foil

Possible power supply (choose one)

- power cord
- car battery
- watch battery



1. Explain your choice of your MUSCLE material?

2. Explain your choice of your POWER material?

Image source: ADAM, Medline Plus, U.S. National Library of Medicine, National Institutes of Health:
<http://www.nlm.nih.gov/medlineplus/heartdiseases.html>

The Strongest Pump of All Lesson—Artificial Heart Quick Design Challenge