

BLOCK **1.1.3** | NAME _____ | DATE _____ | PERIOD _____ | **TEK | d(1)(C)**



RANKED JUSTIFICATION

06 / 10

You are the welder at SuperSports Manufacturing. The bike rack will sit outside all year. Rank the three metals from BEST (1) to WORST (3) for this job.

- Aluminum: rank ____
- Stainless Steel: rank ____
- Carbon Steel: rank ____

1. Why is your #1 metal the best choice for a rack that stays outside? Use one PRO and one CON from the table.

2. Your prototype test found one weak spot. Name it. Then name the weld you would use to make it stronger.

Weak spot: Weld:

3. Name ONE other Manufacturing career that would work on this bike rack order. Say what that person would do.

Career:

What they do:

TEACHER • MASTERY

☐ Beginning 1
 ☐ Developing 2
 ☐ Proficient 3
 ☐ Mastery 4

TEACHER COMMENT _____

1SW-Wk1-Day3 • F06