Names:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**Mythbusters: Walking vs Running Experimental Design**

1. **What is the Question being explored?**
2. **Using your prior experience – which do you think will keep you drier, *walking* or *running*?**
3. **Give a brief (2-3 sentence) description of how you would test this question.**
4. **List all equipment you would need. Include all measuring devices, locations, test subjects (people), machinery, etc.**
5. **Give a detailed, numbered, step by step list of instructions for carrying out the experiment. (can change from your description listed in #3) This should be able to be understood by another individual, and should collect similar results no matter who is doing the experiment.**

**Names: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Mythbusters: Walking vs. Running Analysis**

1. **List several things that were similar between your design and Adam and Jamie’s.**
2. **List several things that were different between your design and Adam and Jamie’s.**
3. **Whose experimental design would collect more usable (better) data? List several specific reasons why you answered the way you did.**
4. **What would you change about Adam and Jamie’s experimental design to make the results be more realistic?**

*Congrats!! You’re thinking like a scientist… but what does that mean?*