

Introduction: The human body is a marvelous network of cells, tissues, organs and organ systems. Most of its inner workings are hard to measure without sophisticated tests some of which you may have had done at a doctors office. There are a few measurements that can easily be performed in a school setting. In this activity you will be introduced to the tests, choose one and design an experiment to test one variable concerning the system or organ.

Procedures:

1. Decide with your group which measurements you wish to make. We chose:

2. What variable will you test?

3. What is your control?

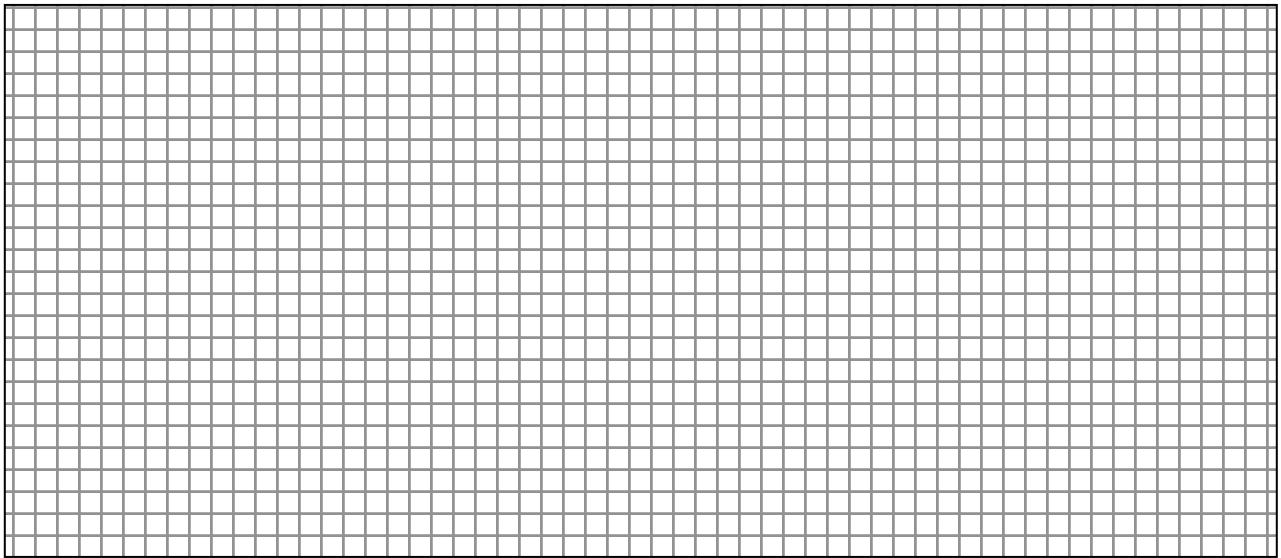
4. What is your hypothesis: (use an “if....then” statement)

5. Describe your procedures completely:
 - a.
 - b.
 - c.
 - d.
 - e.
 - f.
 - g.

teacher approval before you begin: _____

Data:

Analysis:



1. What did your results show?
2. How accurate or trustworthy are your findings?

Why?

3. What would need to be done to improve your experiment?

4. How does the organ or system you tested interact with other body systems?

5. How does the organ help maintain homeostasis in the body?

Conclusion: