

Student Name: _____

Date: _____

Section 1: Multiple Choice

1. In Simple Machines, the main concept is:

- Life processes
- Energy systems
- Physical matter
- All of above

2. Which tool would you use for this unit's lab?

- Microscope
- Thermometer
- Balance
- All of the above

3. Scientific models help us:

- Prove theories
- Visualize complex concepts
- Eliminate errors
- Skip experiments

4. Good data collection requires:

- Only one trial
- Labeled units
- Guessing values
- Avoiding graphs

5. A hypothesis for this unit should be:

- Testable
- An opinion
- A fact
- A question

Section 2: Short Answer

1. Calculate the mechanical advantage of a lever: effort arm 120 cm, load arm 30 cm.

2. Describe the Wednesday lab activity: Mechanical advantage experiments with pulleys and levers; calculate MA

3. How does Simple Machines connect to real life?

Multiple Choice Answers:

1. D
2. D
3. B
4. B
5. A