

Simple Machines Notes, Part 1

I. Force

- a. A _____ is a _____ or a _____ on an object.
- b. Force (including _____) is measured in SI units called _____ (N).
- c. A _____ is used to measure force.

II. Energy

- a. Energy is the _____ to do _____.
 - i. Types of energy:
 - 1. _____
 - 2. _____
 - 3. _____
 - 4. _____
 - 5. _____
 - 6. _____
 - 7. _____
 - ii. Energy can cause _____ to be done, so when we see work done, we see _____ of _____.

III. Work

- a. Work means...
 - i. _____
 - ii. _____
- b. Evidence of Work...
 - i. **Example:** When a toy car at _____ is _____, work is done on the car if it _____. This work (or movement) is evidence of _____.
 - ii. **Example:** When a fan is connected to an electric _____ it _____, so _____ was done on the fan. This work (or movement) is evidence of energy.
 - iii. **Example:** When an object is _____, it _____, so work is done on the object. This _____ (or movement) is evidence of _____.

