

NAME:

PERIOD:

DATE:

## FORCE HOMEWORK #1

Answer all questions to the best of your ability. Be specific. Be scientific.

1. In your own words, describe what a force is.

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2. Name a "famous" force, and describe one affect that it has on a sport you like.

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3. Think of a situation where friction and gravity affect something at the same time?

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4. Circle all of the following that are balanced forces.

- Two equal strength men in a tug of war.
- A small child versus a grown man in a tug of war.
- A pulley with a 100 pound weight on one side and (2) 50 pound weights on the other.
- A cup of water sitting on a table.
- A ball rolling down a hill.



5. True or False. As you fall from an airplane, friction and gravity are affecting you in the same direction.