Ch 12-1: What is a force? Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Basic Physical Science Notes 2018

Key Terms:

1. Force: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

EX:

1. Force is measured in \_\_\_\_\_\_\_\_\_\_\_\_\_\_. (Hint: you may have to google this.)
2. Balanced forces: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

EX:

1. Unbalanced forces: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

EX:

1. Net Force is when you add up all the \_\_\_\_\_\_\_\_\_\_\_\_\_ together.

|  |  |  |
| --- | --- | --- |
|  | Balanced Forces | Unbalanced Forces |
| Net Force is: = to zero OR not = to zero? |  |  |
| Causes an object to accelerate? Y or N(accelerate means to change motion) |  |  |
| Forces are equal and opposite? Y or N |  |  |

Short Answer:

1. Is a force scalar or vector? Does the direction of the force matter?
2. How do unbalanced forces change the motion of an object? (2 ways)
3. To describe a force, you must know the size and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of the force.
4. How is weight a force? What direction is it?
5. For each picture, circle balanced or unbalanced and tell the Net Force.



BALANCED UNBALANCED

Net Force = \_\_\_\_\_\_\_\_\_ Newtons

BALANCED UNBALANCED

Net Force = \_\_\_\_\_\_\_\_\_ Newtons