
PHYS 1110 Group Work Sheet 5
Forces

With your group, discuss how to answer these questions and write your group answer in the space provided.

1. What is a force?
2. Is force a vector, a scalar, or something else?
3. What is the role of force in motion?
4. A 0.75-kg bowl of petunias falls at the rate of 9.8 m/s^2 . What is the net force acting on it? (Be mindful that force is a vector.)

5. A basket of peaches with a weight of 12.0 newtons sits on a table.

_____ exerts a downward force of 12.0 N on the basket.

_____ exerts an upward force of 12.0 N on the basket.

The basket exerts a downward force of 12.0 N on _____.

The basket exerts an upward force of 12.0 N on _____.

6. Your educated mule argues that there is no point in pulling a cart, because the cart will pull back on him as hard as he pulls on it. What should you tell him?

