



Vocabulary 6

1. **Acceleration:** increase in speed: the rate at which something increases in velocity
measure of increase in velocity: a measure of the rate of increase in the velocity of something per unit of time. Equals the change in velocity divided by the time for the change to take place; occurs when an object speeds up, slows down, or turns. (p. 14)
 2. **Force:** a push or a pull. (p. 36); **influence that moves something:** a physical influence that tends to change the position of an object with mass, equal to the rate of change in momentum of the object
 3. **Inertia:** tendency of an object to resist a change in its motion. (p. 19); **resistance to change:** the property of a body by which it remains at rest or continues moving in a straight line unless acted upon by a directional force
 4. **Mass:** amount of matter in an object. (p. 19)
 5. **Momentum:** a measure of how difficult it is to stop a moving object; equals the product of mass and velocity. (p. 20); **measure of movement:** a quantity that expresses the motion of a body and its resistance to slowing down. It is equal to the product of the body's mass and velocity.
 6. **Velocity:** speed and direction of a moving object. (p. 13);
 7. **Net Force:** combination of all forces acting on an object.; the sum total of all the forces acting on an object.(p. 37)
 8. **Unbalanced Force:** two or more forces acting on an object that do not cancel, and cause the object to accelerate. (p. 37)
 9. **Balanced Force:** two or more forces whose effects cancel each other out and do not change the motion of an object. (p. 37)
 10. **Speed:** equals the distance traveled divided by the time it takes to travel that distance. (p. 10)
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Due Dates for Vocabulary 6

Friday, February 13 – Roundhouse Diagram

Wednesday, February 18 – For each word find sentence in your textbook with each vocabulary word. Write the sentence, the book, & the page number. Underline the vocabulary word. If it is not in the textbook, use the Internet to find a sentence with the word. Please write down the URL.

Friday, February 20 – Vocabulary Crossword

Quiz on Friday over Vocabulary words.