

Module 2: Forces and Newton's Laws

Topic 5 Warm-Up: Crossword Puzzle Answer Key

Solve this puzzle using the glossary and key vocabulary from Module 2.



Across

- 4 When the net force is zero.
- 5 When objects are in motion with respect to each other
- 8 When objects are at rest with respect to each other
- 9 A contact force that opposes sliding motion and acts parallel to the surface.
- 11 When the net force is not zero
- 12 The unit of force that would accelerate one kilogram at a rate of one meter per second squared.
- 13 A contact force that responds when two objects are pushed together. Always acts perpendicular to the surface.

Down

- 1 An action-at-a-distance force that acts to attract any two objects with mass
- 2 The force of gravity on an object
- 3 The type of force present in a taut rope, cable or chain.
- 6 That portion of a vector quantity that contributes in the vertical or horizontal direction only.
- 7 The single vector obtained when adding two or more vectors by vector addition.
- 9 Any of several classes of interaction that may cause an object to change its motion.
- 10 The property of matter that resists changes in motion. Directly related to mass.
- 14 The amount of matter in an object