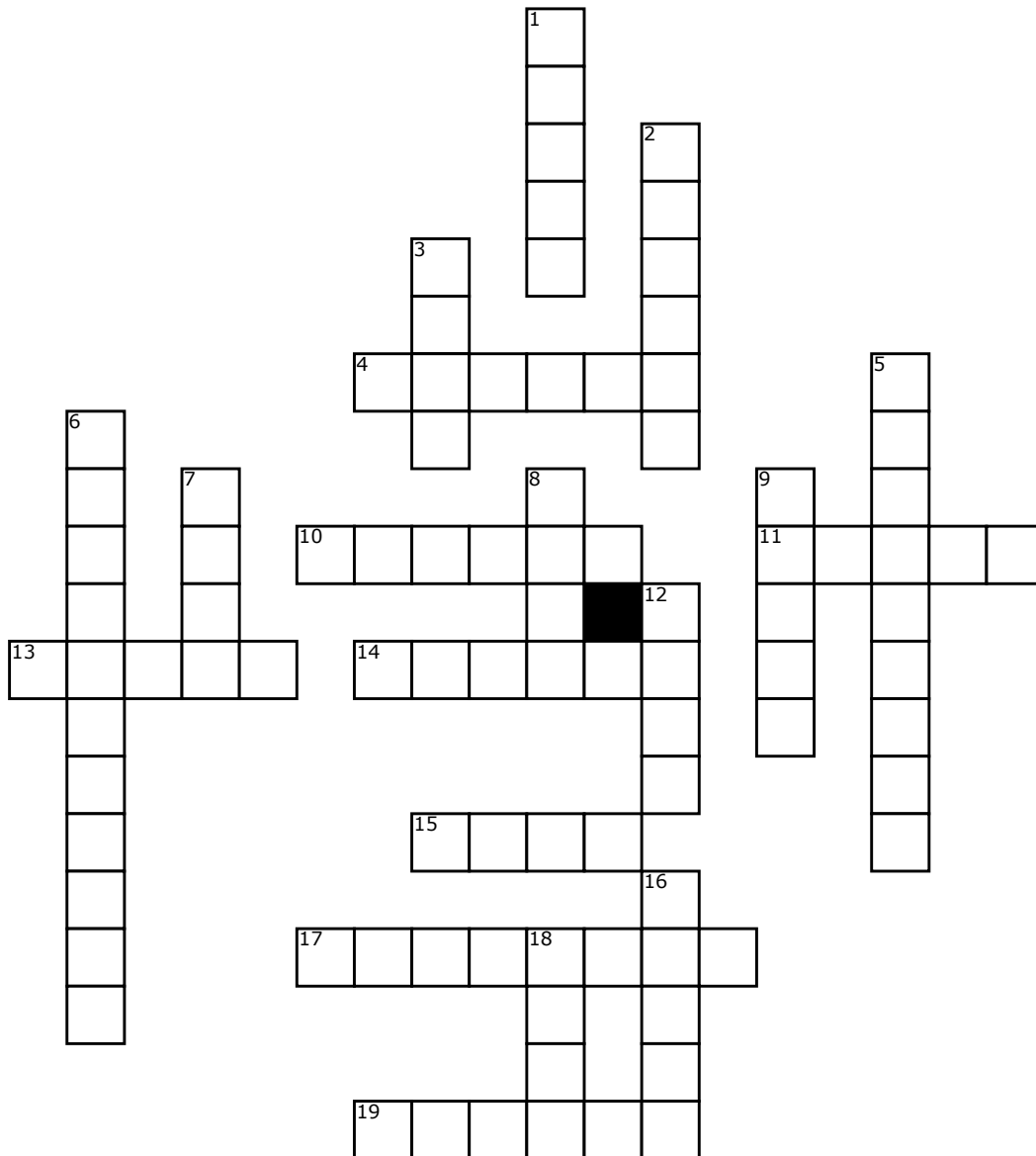


Chapter 9 Vocabulary



Across

- 4.** Inertia: The tendency of an object at rest to stay at rest, and an object in motion to stay in
- 10.** Energy of motion: Kinetic energy of an object in motion or the energy an object has because it is
- 11.** Gravity: The force that pulls things to
- 13.** Perception time: The length of time it takes you to identify a hazard, predict a conflict, and decide to
- 14.** Momentum: The tendency of an object to stay in motion, or the inertia of an
- 15.** Tread: The grooved surface of a

17. Friction: The force that acts between materials as they move

19. Force of impact: The force with which a moving object hits another

Down

- 1.** Reaction time: The length of time it takes you to apply your
- 2.** Vehicle balance: The distribution of a vehicle's weight on it's tires as they contact the
- 3.** Braking distance: The distance you travel from the time you apply your brake until you
- 5.** Passive restraint device: A device that works automatically
- 6.** Center of gravity: The point around which an object's weight is evenly

7. Pitch: A tilting motion from front to

8. Blowout: A sudden loss of air pressure while driving, as when a tire is punctured and loses all of it's air at

9. Active restraint device: A device you must engage (safety

12. Total stopping distance: The distance your car travels from the time you first perceive a hazard until you reach a full

16. Reaction distance: The distance your vehicle travels while you

18. Perception distance: The distance your vehicle travels during your perception