

Module 4.1 Pre-Test: Natural Laws

Name _____ Date _____

1. Three factors that determine force of impact are:
 - A. speed, weight, and distance between impact and stopping.
 - B. traction, brakes, and steering.
 - C. tire tread, visibility, and four-wheel drive.
 - D. shock absorbers, tire pressure, and roadway surface.
2. If a tire is under-inflated, the only part that grips the road well is the:
 - A. center of the tire tread.
 - B. outside edges of the tire tread.
 - C. tire cords.
 - D. wear bar.
3. A vehicle driven into a curve tends to:
 - A. go in a straight line.
 - B. store energy of motion.
 - C. increase speed.
 - D. increase traction.
4. Completing a turn requires:
 - A. acceleration throughout the turn.
 - B. accelerating gently about halfway through the turn.
 - C. pressing the brake pedal throughout the turn.
 - D. using more than one lane to turn the corner.
5. If tires wear out their center treads, they are:
 - A. inflated just right.
 - B. under-inflated.
 - C. over-inflated.
 - D. over-sized.
6. If the wheels lock when braking suddenly, the vehicle will:
 - A. lose traction.
 - B. lose steering ability.
 - C. gain speed slightly.
 - D. gain steering ability.
7. One purpose of the tread pattern on a tire is to:
 - A. reduce tire wear.
 - B. reduce traction.
 - C. allow water to flow away from the tire.
 - D. look impressive.
8. Skids can be caused by:
 - A. reduced traction.
 - B. driving too fast.
 - C. changing directions too quickly.
 - D. all of the above.