



Curriculum Pre/Post Test Unit 9

- Friction is a _____ force.
 - Applied
 - Constant
 - Linear
 - Reaction
- What type of friction is the force between two moving surfaces?
 - Static
 - Dynamic
 - Kinematic
 - Kinetic
- What term is used to describe the grippyness of two surfaces sliding against each other?
 - Static Friction
 - Dynamic Friction
 - Coefficient of Friction
 - Normal Friction
- The _____ force is always perpendicular to the two sliding surfaces.
 - Friction
 - Normal
 - Gravitational
 - Traction
- _____ is the amount of force a wheel can apply to a surface before it slips.
 - Normal Force
 - Applied Force
 - Traction
 - Torque
- One way to increase traction is to _____.
 - Increase the weight
 - Decrease the weight
 - Increase the torque
 - Decrease the torque



7. Another name for a skid steer drivetrain is _____.
- A. Arcade
 - B. Tank
 - C. Swerve
 - D. Omni-directional
8. What kind of drivetrain can move in any direction by steering its wheels?
- A. Tank
 - B. Arcade
 - C. Swerve
 - D. Omni-directional
9. What kind of drivetrain design is best for turning?
- A. Short and Wide
 - B. Long and Narrow
 - C. Short and Narrow
 - D. Long and Wide
10. How do you calculate the Circumference of a wheel?
- A. $\text{Radius} / 2 \times \text{Pi}$
 - B. $\text{Diameter} \times 2 \times \text{Pi}$
 - C. $\text{Radius} \times \text{Pi}$
 - D. $\text{Diameter} \times \text{Pi}$