

Animation Worksheet: Throttle Position Sensor

Name: _____ **Date:** _____

1. The Throttle Position Sensor (TPS) measures the angle or position of the _____ blade in the intake system.
2. The TPS sends data to the vehicle's engine control module, transmission control module, or a combined system called the _____.
3. The transmission uses information from the TPS to determine exactly when to _____ gears.
4. When the engine is at an idle speed, the TPS sends a _____ voltage signal near its minimum value.
5. When a low voltage signal is received at idle, the controller recognizes that the driver is not _____.
6. No shift commands are triggered at idle because there is no load or _____ demand.
7. At part to medium throttle, the throttle position sensor sends a moderate voltage signal of a _____ value.
8. At medium throttle, shift points are designed to achieve driver comfort and _____.
9. At wide open throttle, the TPS sends a high voltage signal near its _____ value to the controller.
10. Wide open throttle uses an aggressive algorithm that features high-RPM, _____ shifting for maximum acceleration.