

Animation Worksheet: 2-3 Shift Valve, Coast Downshift

Name: _____ **Date:** _____

1. Governor pressure is proportional to vehicle speed, meaning it _____ with speed.
2. Throttle pressure is proportional to throttle opening or load, and it increases with _____.
3. Line pressure is fundamental hydraulic pressure regulated by the pump and modulated by _____ load.
4. The 2-3 shift valve is a _____ loaded valve located inside the valve body.
5. At a cruising speed of _____ MPH, the governor pressure is high due to the high output shaft speed.
6. When the driver lets go of the gas pedal and releases the throttle, the _____ pressure drops off.
7. Because the vehicle is coasting at a high speed, the _____ pressure remains high initially, keeping the shift valve in third gear.
8. As the vehicle speed continues to decrease, governor pressure eventually drops below the _____ threshold.
9. When governor pressure falls too low, the internal spring pushes the 2-3 shift valve back into the _____ gear position.
10. A downshift occurs when governor pressure falls below the threshold needed to keep the valve _____.