

Animation Worksheet: 2-3 Shift Valve, Light Throttle Upshift

Name: _____ **Date:** _____

1. When the vehicle is stopped, the governor is driven by the _____ shaft.
2. At a stop, the output shaft is not rotating, so _____ pressure is generated.
3. With the throttle closed or at idle, throttle valve movement is minimal, resulting in little to no _____ pressure.
4. The default position of the 2-to-3 shift valve is held to the left by _____ tension.
5. Because the 2-to-3 shift valve is in its leftmost position, the circuit to the _____ clutch is closed off.
6. As the driver accelerates, throttle pressure _____ as the driver presses the accelerator.
7. Governor pressure increases steadily along with _____ speed.
8. Governor pressure eventually exceeds the combined force of throttle pressure and shift valve _____ tension.
9. When the 2-to-3 shift valve moves fully to the right, the direct clutch circuit gains _____.
10. While the transmission upshifts, the throttle pressure is _____, which allows the shift to happen under load.