

### Animation Worksheet: 2-3 Shift Valve

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. The 2-3 shift valve is located in the main \_\_\_\_\_ bore.
2. The shift valve is influenced by three primary hydraulic forces: governor, throttle, and \_\_\_\_\_ pressure.
3. One end of the shift valve senses \_\_\_\_\_ pressure, which rises linearly with road speed.
4. The opposite end of the shift valve senses \_\_\_\_\_ pressure and the force of a light spring.
5. Throttle pressure is proportional to \_\_\_\_\_, helping the transmission determine when to shift based on how hard the vehicle is accelerating.
6. Line pressure originates at the pump but must first pass through the \_\_\_\_\_ shift valve before reaching the 2-3 shift valve.
7. The 1-2 shift valve is critical because it provides the \_\_\_\_\_ feed that enables the 2-3 upshift.
8. A shift is triggered when governor pressure exceeds the combined force of the spring pressure and the \_\_\_\_\_.
9. When the net force moves the 2-3 shift valve to the right, the \_\_\_\_\_ pressure rises to engage the next gear.
10. The \_\_\_\_\_ valve acts as a timing device, allowing the clutch to grab progressively for a smooth upshift rather than snapping on.