

Animation Worksheet: CVT Ratio Control

Name: _____ **Date:** _____

1. The component at the top of the system diagram that physically initiates a change in the ratio link is called the _____.
2. The component responsible for controlling the path of fluid to adjust the system is the _____.
3. The primary pulley responsible for receiving input power is also known as the _____ Pulley.
4. The belt that connects the two main pulleys and transmits power between them is a _____ Belt.
5. At the bottom of the secondary pulley system, a mechanical _____ helps maintain standard pressure against the pulley half.
6. The output pulley that transfers power further down the drivetrain is called the _____ Pulley.
7. The starting ratio shown at the beginning of the animation is a Low Ratio of _____.
8. When the system shifts, the _____ forces the pulley halves to spread apart on one side while closing on the other.
9. To allow for quick adjustments in response to changing driving conditions, the system uses a top routing port labeled _____ to release fluid pressure.
10. Fluid movement is critical for the dynamic operation of the CVT, enabling smooth transitions between gear ratios while maintaining _____ and performance.