

Animation Worksheet: Power Flow Ravigneaux 2 Speed

Name: _____ **Date:** _____

1. The Ravigneaux gear set is a _____ planetary gear arrangement commonly used in automatic transmissions.
2. A typical Ravigneaux gear set provides _____ forward speeds and reverse.
3. The torque converter acts as a _____ between the engine and the transmission.
4. To achieve the low or first gear, the low band holds a component stationary, which is typically the sun gear or the _____.
5. The outer gear in the planetary system that meshes with the planet pinions is called the _____.
6. The _____ holds both the long and short planet pinions and allows them to rotate around the sun gears.
7. During a shift to first gear, a consistent and typical low gear ratio for a Ravigneaux setup is _____.
8. When a shift to high gear occurs, the _____ is applied.
9. In high gear, the small and large sun gears rotate together, which eliminates gear reduction and produces a _____ ratio.
10. When shifting into reverse gear, the _____ acts as the reaction element.