

Animation Worksheet: Power Flow Allison 5 Speed

Name: _____ **Date:** _____

1. A very important rule to remember for this diagram is that the P1 _____ gear is always driven.
2. When the transmission is shifted into First (Low) Gear, the total gear ratio is _____ : 1.
3. In First Gear, the components acting as the driving members are all 3 _____ gears.
4. When the transmission shifts to Second Gear, clutch C1 and brake B2 are _____.
5. In Second Gear, the two reaction members holding back parts of the gear system are the P1 carrier and the _____ ring ring.
6. When operating in Third Gear, the gear ratio drops down to _____ : 1.
7. In Fourth Gear, the driving members are all 3 sun gears and the _____ carrier.
8. Fourth Gear is a direct drive ratio, which means its final gear ratio is exactly _____ : 1.
9. In Fifth Gear, the component acting as the sole reaction member is the _____ ring gear.
10. When the transmission is shifted into Reverse, the active holding members are brake B1 and brake _____.