

Animation Worksheet: Power Flow 4L60

Name: _____ **Date:** _____

1. The 4L60E is a four-speed automatic transmission that uses a _____ planetary gear set configuration.
2. Power enters the transmission from the engine through the _____ converter before reaching the input shaft.
3. In first gear, the _____ clutch is applied to help transmit power.
4. The first gear ratio is _____, meaning the input shaft turns about 3.1 times for every one rotation of the output shaft.
5. When the transmission shifts into second gear, the _____ band is applied to hold the reaction sun gear stationary.
6. The gear ratio for second gear is _____.
7. In third gear, the 3-4 clutch locks the planetary set together to create a _____ drive ratio of 1:1.
8. In fourth gear, the system creates an _____ ratio where the output shaft spins faster than the input shaft.
9. The gear ratio achieved during fourth gear operation is _____.
10. When the vehicle is shifted into reverse, the low/reverse clutch holds the reaction carrier still, causing the output to rotate in the _____ direction at a 2.3:1 ratio.