

Animation Worksheet: Torque Converter Power Flows

Name: _____ Date: _____

1. Inside a torque converter, fluid flows from the transmission into the _____, where it is accelerated.
2. After being accelerated in the impeller, the fluid is then directed straight into the _____.
3. The turbine converts fluid energy into _____ power.
4. The component that redirects the returning fluid to enhance the impeller's performance is called the _____.
5. This continuous fluid cycle allows for smooth power transfer between the _____ and the transmission.
6. When a vehicle first starts up, the primary type of power flow inside the torque converter is _____.
7. During the vehicle start phase, the interaction of the components results in torque _____.
8. During the "Clutch Apply" phase, the clutch transitions and gradually locks, connecting the impeller to the _____.
9. When the vehicle is in a cruising or driving phase, the power flow type changes from fluid-driven to _____ power flow.
10. During cruising, the lock-up clutch connects the turbine directly to the transmission to achieve direct drive and improved _____.