

Animation Worksheet: Gerotor Pump

Name: _____ **Date:** _____

1. The automotive gerotor pump is a type of _____ displacement pump.
2. This pump is commonly used in engine _____, transmission fluid circulation, and fuel delivery systems.
3. The primary purpose of the gerotor pump is to move fluid at a _____ rate while maintaining pressure.
4. Proper pump operation is essential for the _____ and _____ of critical engine and transmission components.
5. The pump assembly consists of an _____ rotor and an _____ rotor.
6. The inner rotor is typically driven by the _____ or another drive mechanism.
7. A key design feature is that the outer rotor always has _____ more tooth than the inner rotor.
8. As the rotors rotate, the space between the lobes _____, creating a vacuum that draws fluid from the inlet.
9. As the fluid moves toward the outlet, the space between the lobes _____, which compresses the fluid.
10. The cycle of drawing and compressing fluid continues as long as the pump is driven, ensuring a _____ flow of fluid.