

Animation Worksheet: Park (Pawl)

Name: _____ **Date:** _____

1. In an automatic transmission, the main function of the parking pawl is to lock the transmission's _____ shaft.
2. Locking this shaft prevents the vehicle's _____ from turning when the shift selector is placed in Park.
3. The parking gear is mounted on the output shaft and rotates along with the drive shaft and the _____ wheels.
4. The parking pawl itself is a small, metal _____ that pivots to engage with the teeth of the parking gear.
5. Shifter movement from the gear selector is converted into mechanical movement using a cam and _____ assembly.
6. When the vehicle is _____, both the output shaft and the parking gear rotate continuously.
7. If the gear and pawl are correctly _____, the pawl easily drops into the nearest gear tooth to lock the shaft.
8. When the gear and pawl are NOT aligned, the pawl is temporarily _____ from entering the gear tooth.
9. When alignment is blocked, the _____ spring compresses to hold the pawl safely against the gear.
10. If the vehicle settles or rocks slightly, the gear rotates and the spring-loaded pawl _____ into place to lock the transmission.