

Animation Worksheet: PGS 5, OD

Name: _____ **Date:** _____

1. In this planetary gear system, the _____-tooth ring gear is held stationary.
2. The 15-tooth sun gear serves as the _____ in this specific configuration.
3. The component acting as the input in this setup is the _____.
4. The pinions within this system act as _____ as they move.
5. As the carrier rotates, it causes the pinions to _____ between the sun gear and the ring gear.
6. When the carrier moves, it drives the pinions, which in turn rotate the _____ gear.
7. A configuration where the carrier is the input, the sun gear is the output, and the ring gear is held stationary results in a forward _____ configuration.
8. The calculated gear ratio shown on the screen for this overdrive setup is _____.
9. In this setup, the output speed of the sun gear is higher than the _____ speed of the carrier.
10. This gear combination effectively _____ the speed of the output relative to the input.