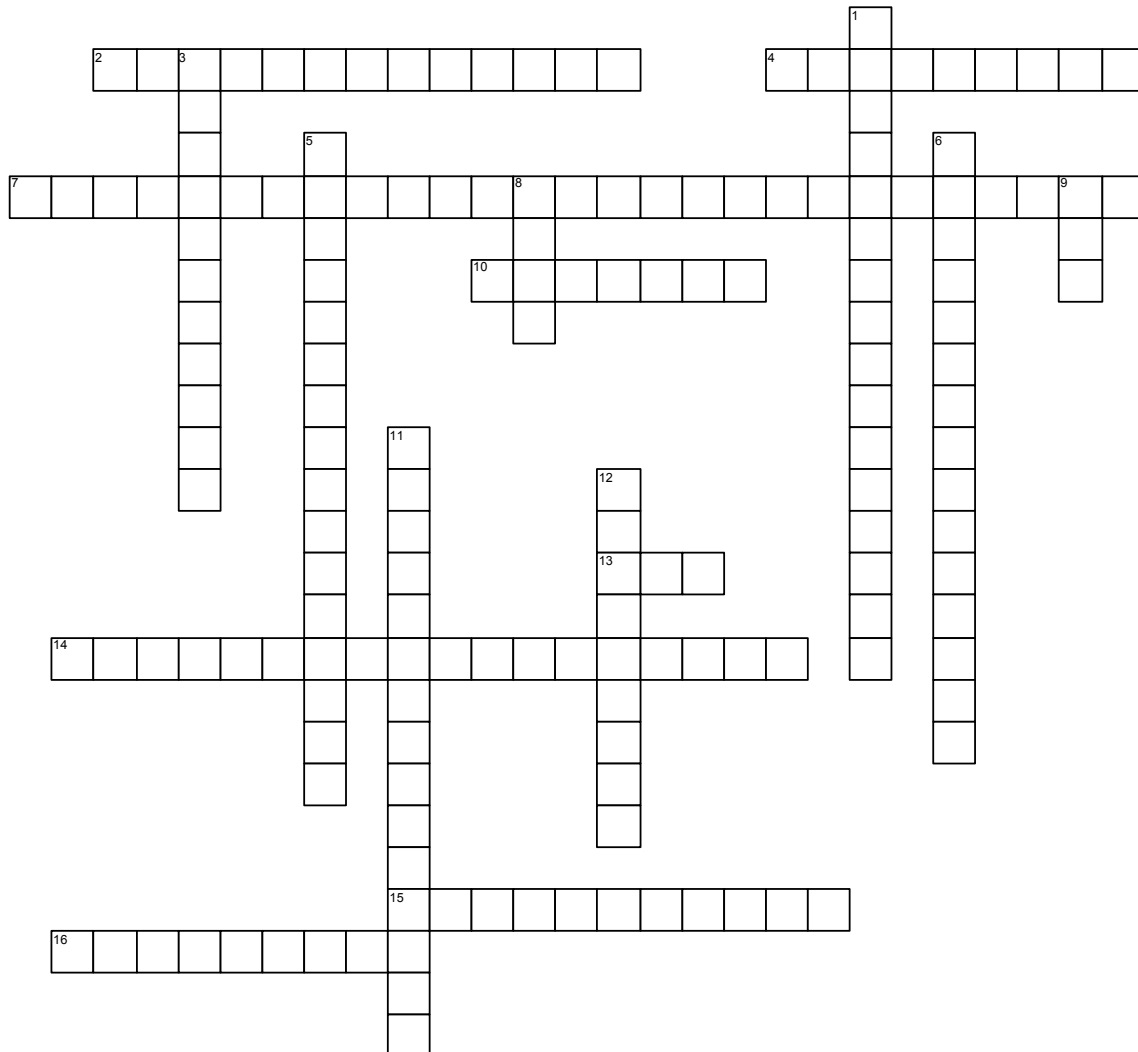


# Drive Axles and Differentials

## Chapter 66



<http://jameshaldeman.com>

### ACROSS

- 2 A \_\_\_\_\_ requires gear lubrication specifically designed for this type of service.
- 4 While a vehicle accelerates, the drive pinion contacts the ring teeth on its \_\_\_\_\_.
- 7 \_\_\_\_\_ are gear sets with final drive ratios expressible as a reducible fraction not equaling a whole number.
- 10 A differential is also called a \_\_\_\_\_.
- 13 On nonhunting and partially nonhunting gears, manufacturers \_\_\_\_\_ the contacting gear teeth to decrease wear.
- 14 \_\_\_\_\_ are gear sets with final drive ratios expressible as a whole number.
- 15 Another name for pinion gears are \_\_\_\_\_.
- 16 While decelerating, the drive pinion contacts the ring teeth on its \_\_\_\_\_.

### DOWN

- 1 The ring gear is attached to a \_\_\_\_\_ that also contains small beveled spider gears.
- 3 A \_\_\_\_\_ passes through the two pinion gears in the case.
- 5 The intermediate position between drive and coast, when neither the ring gear nor the pinion is driving each other, is called the \_\_\_\_\_.
- 6 The driveshaft applies torque to the \_\_\_\_\_ that meshes below the center line of a ring gear.
- 8 The \_\_\_\_\_ is the end of the slanted ring gear tooth that is closest to the outside circumference.
- 9 The \_\_\_\_\_ is the end of the slanted ring gear tooth that is closest to the center.
- 11 \_\_\_\_\_ are gear sets with final drive ratios expressible in a fraction that cannot be reduced to any lower terms.
- 12 The gear ratio of the final drive is called the \_\_\_\_\_.