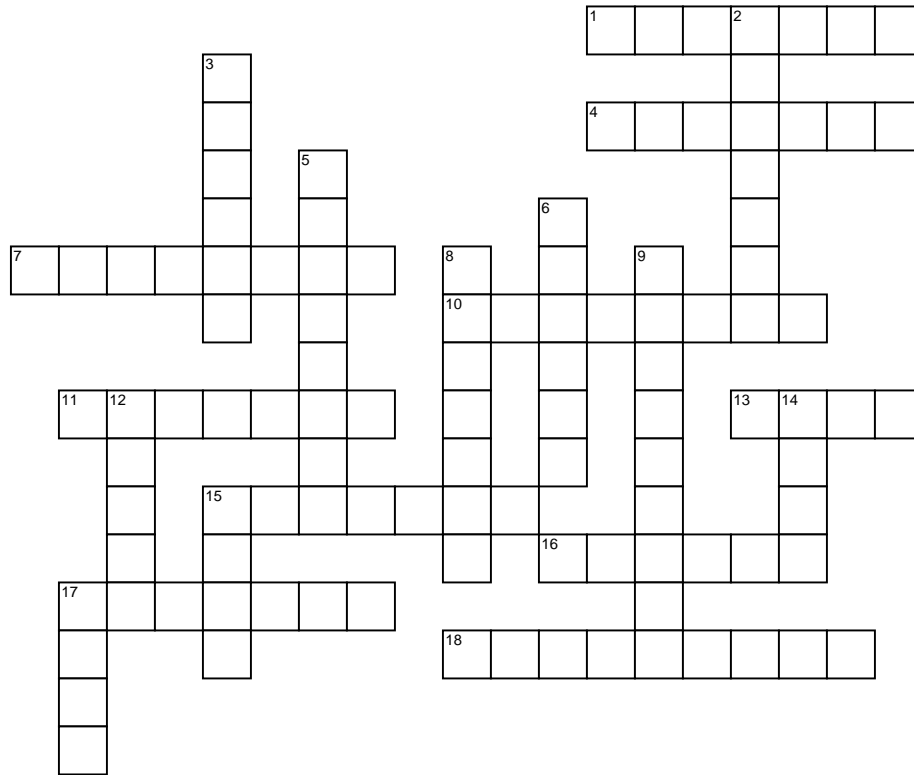


Name _____

Date _____

Steering Columns and Gears



Puzzle by Tony and Lara Martin. www.CrosswordWeaver.com

ACROSS

- 1 Caused by too little clearance between moving parts
- 4 Encloses the parts on the steering gear
- 7 A flexible _____ is used to keep the steering wheel from shaking
- 10 Gas produced by the burning of sodium azide pellets
- 11 The force the thrust bearings apply to the worm shaft
- 13 The _____ gear makes contact with the sector gear
- 15 Side-to-side motion
- 16 Rack and _____: popular steering gear design
- 17 Knee _____: prevents the driver from sliding forward in a collision
- 18 U-joint: _____ joint

DOWN

- 2 _____ the airbag before working on a steering column
- 3 The airbag is stored in the inflator _____
- 5 _____ ratio steering gear: all sector shaft teeth are the same size
- 6 The sector shaft connects to the _____ arm
- 8 Axial play measured at the end of a shaft
- 9 Acceptable clearance between moving parts
- 12 A high steering gear _____ is easier to turn
- 14 NO: Normally _____
- 15 Play between gear teeth
- 17 Covers the end of the rack and inner tie rod end

Name _____

Date _____

Steering Columns and Gears

Solution:

The crossword puzzle solution consists of the following words:

- Vertical words:** MODULO, PIT, NITROGEN, DIMENSION, WORM, PINION, UNIVERSAL, TIRE, BOLSTER, BOOT.
- Horizontal words:** BINDING, HOUSING, COUPLING, EIGHT, PRELOAD, LATERAL, BOLSTER, PIT, NITROGEN, DIMENSION, WORM, PINION, UNIVERSAL.