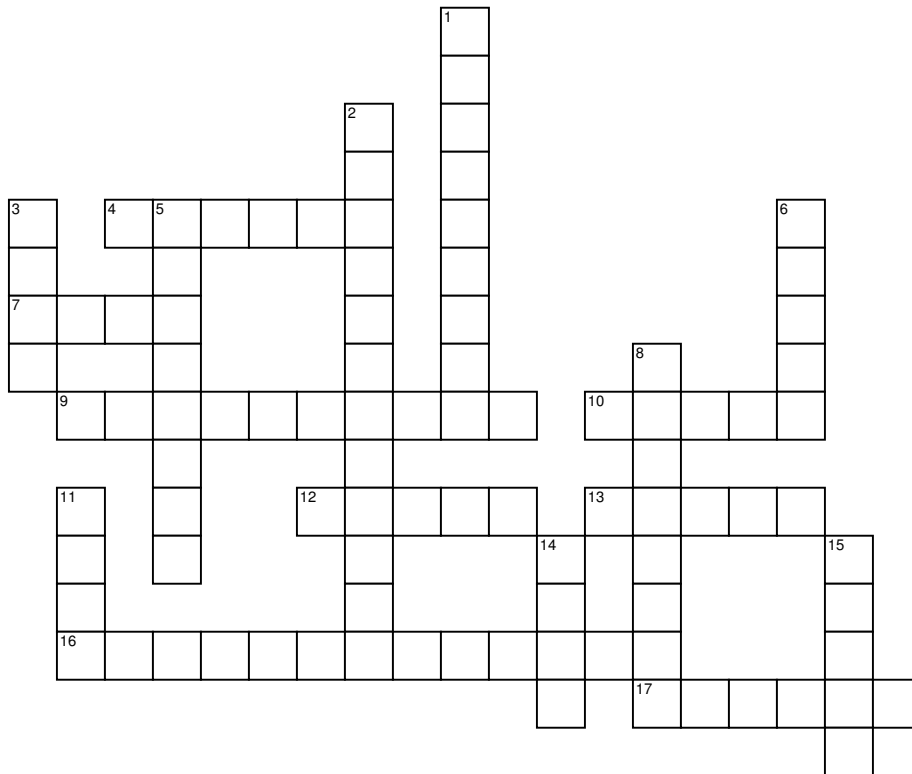


# Robotics - Gears



Constructed using Crossword Weaver

## ACROSS

- 4 The gear that is NOT turned by the motor but by another gear.
- 7 The bottom part of a gear wheel.
- 9 Where gear teeth actually make contact with each other as they rotate.
- 10 In general, gear transfer motion and this to one part or another.
- 12 The distance on a gear between any point on one tooth and the same point on the next tooth.
- 13 One purpose of a gear is to increase or decrease the \_\_\_\_\_ of rotation.
- 16 This type of gear changes "rotary motion" into "linear motion".
- 17 The gear that is turned by the motor.

## DOWN

- 1 This is typically a system involving more than 2 gears.
- 2 One purpose of a gear is to keep the rotation of 2 axes\_\_\_\_\_.
- 3 This type of gear only has one tooth.
- 5 One purpose of a gear is to reverse the direction of this.
- 6 This type of gear ensures that 2 important gears are rotating in the same direction.
- 8 Two gears that are physically attached together on the same axis.
- 11 Gears in the same plane that move opposite of each other because they are meshed together.
- 14 One purpose of a gear is to move the rotational motion of a gear to another one of these.
- 15 This type of gear can be used to change the direction of drive in a gear system by 90 degrees.