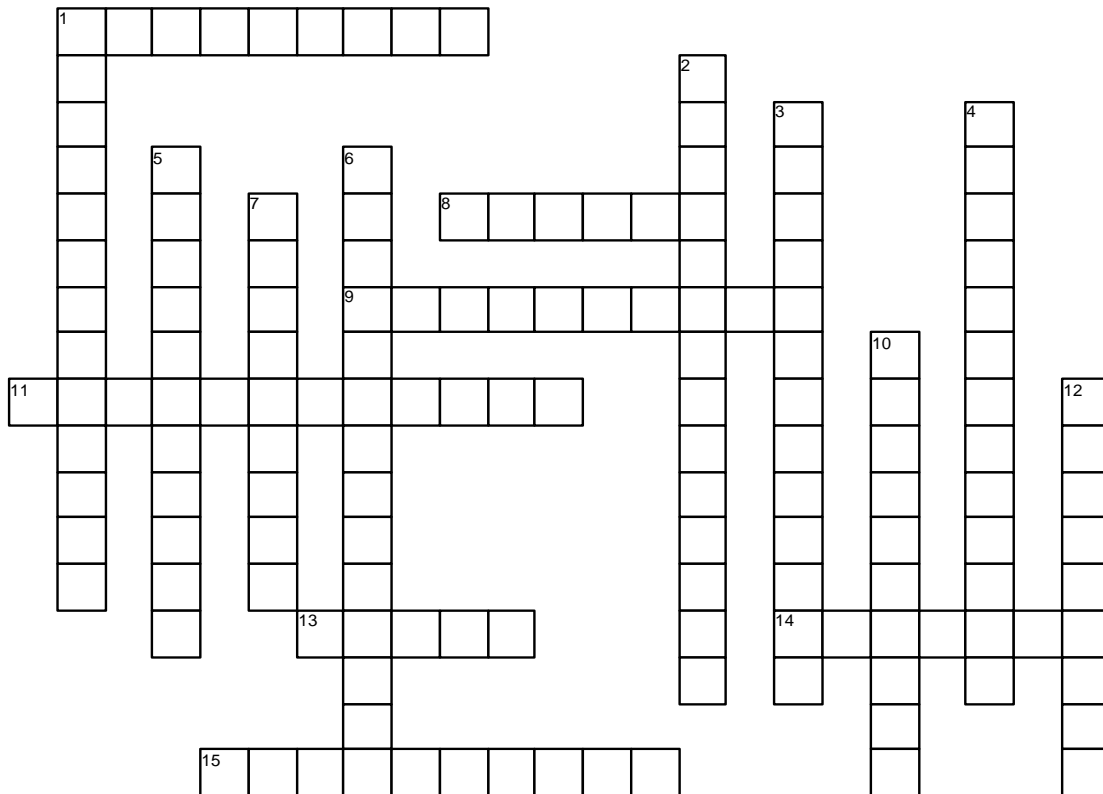


# Autonomous Vehicles

## Chapter 61



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### ACROSS

- 1 Forward-\_\_\_\_\_ Warning (FCW) gives an audible warning or tactile alert when the system detects an impending collision directly in the front of the vehicle.
- 8 A \_\_\_\_\_ camera gives the driver a view of the area behind the vehicle when the gear selector is in reverse.
- 9 The automotive industry is working to develop \_\_\_\_\_ intelligence (AI) systems for the transportation industry, including autonomous driving systems for passenger cars.
- 11 \_\_\_\_\_-\_\_\_\_\_ interface was very basic in the past because vehicles were equipped with most of the following: speedometer, fuel gauge, and oil pressure.
- 13 \_\_\_\_\_ means Light Detection and Ranging or Light Imaging, Detection, And Ranging.
- 14 \_\_\_\_\_ are used to replace the human eye. They are able to recognize objects better than radar.
- 15 Dedicated \_\_\_\_\_-\_\_\_\_\_ communication (DSRC) is used for vehicle to vehicle communication as well as the vehicle to the infrastructure.

### DOWN

- 1 A \_\_\_\_\_-\_\_\_\_\_ Device (CCD) is a device for the

- movement of electrical charge, for conversion into a digital value.
- 2 \_\_\_\_\_ control is often called radar cruise control and uses radar, lasers, cameras, or a combination of sensors.
- 3 All radar uses the \_\_\_\_\_ to calculate position and speed of another object.
- 4 \_\_\_\_\_-\_\_\_\_\_ Warning is also called Lane-Keeping Assist.
- 5 \_\_\_\_\_-\_\_\_\_\_ vehicles are also called automatic parking vehicles. They use camera(s) and control power steering to guide the vehicle into the parking space.
- 6 Many of the level 2 systems are grouped together and are commonly referred to \_\_\_\_\_ Assist System (ADAS).
- 7 \_\_\_\_\_ Emergency Braking (AEB) automatically applies the brakes to avoid a collision.
- 10 An \_\_\_\_\_ vehicle is a vehicle that uses an automated driving system that monitors the driving environment and makes navigation decisions without driver input.
- 12 \_\_\_\_\_-\_\_\_\_\_ warning uses radar or camera to detect and provide a warning when there is another vehicle that cannot be seen at the side.