**The Future of Driving**

[**https://www.youtube.com/watch?v=9mAZbx-Gv70**](https://www.youtube.com/watch?v=9mAZbx-Gv70)

**Study the following words:**

**Edge** (v.) – move gradually in a particular direction

Edge (n.) – border, boundary

**blind spot –** in driving is an area in which a driver cannot see other vehicles or pedestrians

**key fob** - a small electronic device used typically in place of a key (as to unlock a door or start a vehicle) or to remotely initiate the action of another device

**sonar -** a method or device for detecting and locating objects by means of sound waves sent out to be reflected by the objects

**evasive –** trying to avoid some obstacle

**Watch the video and answer the following questions**

1. Are the authors of the video or optimistic or pessimistic about the future of autonomous cars?
2. Which automakers are mentioned in the video?
3. Which devices enabling vehicles to drive autonomously are mentioned in the video?
4. Ford’s blind-spot warning system relies on the radar sensors installed
5. In the front of the car.
6. In the back of the vehicle
7. In the side windows.
8. Which of the following is **NOT** mentioned among the capabilities of Ford’s blind-spot warning system?
9. It helps detect oncoming vehicles when the car is backing out of its parking spot.
10. It signals when it’s dangerous to change lanes.
11. It controls speed when the vehicle leaves parking.
12. Active cruise control allows the car
13. to drive at a fixed speed.
14. to drive at the same speed as the vehicle behind.
15. evade obstacles on the road automatically.
16. to slow down when needed but not to accelerate.
17. Some Mercedes cars can react to moving obstacles on the road but they are still unable to differentiate between humans and animals.

T/F

1. Since currently used car cameras are able to detect lane markings they
2. stop the vehicle when it crosses the lane.
3. disable the driver’s cell-phones to prevent texting.
4. trigger lane warning signals to help the driver stay in the correct lane.
5. prevent tired drivers from turning the steering wheel.
6. Tesla’s electric cars are equipped with autopilot but changing lanes still requires the driver’s input.

T/F

1. According to the video, autonomous driving in traffic jam will be attained sooner than valet parking.

T/F

1. When autonomous valet parking becomes a reality
2. the driver will have to reserve a parking spot in advance.
3. smartphones will be used to summon the car when it is needed.
4. parking space for each car will be made bigger to avoid collisions.
5. drivers will guide their cars to vacant parking spots with the help of their smartphones.
6. The authors of the video are convinced that in the nearest future all the cars on the road will be autonomous.

T/F