

Congratulations! You passed!

Grade received 100% To pass 80% or higher

Go to next item

1. Which of the following are components of **longitudinal control**? (Select all that apply)

1 / 1 point

Accelerating

Correct

Correct, accelerating is a component of longitudinal control.

Braking

Correct

Correct, braking is a component of longitudinal control.

Steering

Planning

2. Which of the following is **not** an example of OEDR?

1 / 1 point

- Slowing down when seeing a construction zone ahead
- Finding a route from your current location to a goal location
- Stopping at a red light
- Pulling over upon hearing sirens

Correct

Correct, finding routes between locations is a long term planning problem and not OEDR.

3. Which of the following tasks would you expect a **Level 2 system** to perform? (Select all that apply)

1 / 1 point

Stay within a lane

Correct

Correct, maintaining speed is part of lateral control for the level 2 system.

Change lanes

Correct

Correct, changing lanes is part of lateral control for the level 2 system.

Maintain constant speed

Correct

Correct, maintaining speed is part of longitudinal control for the level 2 system.

Swerve and slow down to avoid a pedestrian

4. What is the **distinction** between Level 3 autonomy and Level 4 autonomy?

1 / 1 point

- Level 3 systems require full user alertness, Level 4 systems do not
- Level 3 systems cannot perform OEDR, Level 4 systems can
- Level 3 systems cannot drive on highways, Level 4 systems can
- Level 3 systems only have lateral or longitudinal control, Level 4 systems have both

Correct

Correct, level 3 systems cannot handle emergencies automatically and as a result require full user alertness.

5. What distinguishes Level 5 Autonomy from Level 4?

1 / 1 point

- Level 5 autonomy can operate on any road surface and road type, while Level 4 cannot.
- Level 4 has a restricted operational design domain, whereas Level 5 is unrestricted.
- Level 5 autonomy can operate on any weather condition, while Level 4 cannot.
- Level 5 has OEDR capability, while Level 4 does not.

Correct

Correct, level 5 systems can operate in any weather condition, on any road type or surface and in any scenario and remain safe.