

Name:

Date:



Self-Driving Cars



Imagine different driving scenarios and think about how a self-driving car would react.

Scenario 1:

A ball suddenly rolls onto the road. How should the car respond?

Scenario 2:

The car approaches a traffic light that turns yellow. Should it stop or go?

Scenario 3:

There is heavy rain, making the road slippery. How should the car adjust its speed?

Scenario 4:

A pedestrian is crossing the street but is not using the crosswalk. What should the car do?

Scenario 5:

Another car is trying to merge into the lane. How should the self-driving car react?

Scenario 6:

The self-driving car detects a construction zone ahead. What actions should it take?

Scenario 7:

A cyclist is riding alongside the car. How should the car ensure the cyclist's safety?

Scenario 8:

The car is in a traffic jam. How can it optimize its route to avoid delays?

Scenario 9:

An emergency vehicle is approaching from behind. How should the self-driving car respond?

Scenario 10:

The car needs to make a left turn at a busy intersection. What should it consider?

What other scenarios could be consider if you were to develop a self-driving car?