

# WORKBOOK

NAME: \_\_\_\_\_

LOCATION: \_\_\_\_\_

TIME: \_\_\_\_\_

DATE: \_\_\_\_\_

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## **DESCRIPTION #1**

**Please carefully read the description below.**

**WB1.** Which of these two perspectives comes closest to your own?

- Some people say that it's safer when they (the driver) are in complete control of all the vehicle functions. They trust themselves more than technology, and say that technology software could be hacked, or that they can't fully relax in a vehicle where driving is controlled by a computer.
- Others say that vehicles in which driving is controlled by a computer are safer, because the technology is proven, there is new and better technology on the horizon and technology can react more quickly and reliably than people can.

**-----STOP!-----**

## **DESCRIPTION #2**

**Please carefully read the description of automated vehicle safety technologies below.**

**WB2.** Automated vehicle safety technology covers a range of technologies from existing features like adaptive cruise control that adjusts your speed based on the distance to the vehicle in front of you, blind spot detection, collision warnings like lane departure, and automatic emergency braking, and all the way to emerging technologies where the vehicle performs all the driving functions, removing the need for manual operation of the steering wheel or gas and brake pedals entirely.

----STOP!----

**DESCRIPTION #3**

**Please carefully read the description of automated vehicle safety technology levels on this page.**

**Level 0** — The driver (human) controls everything: steering, brakes, throttle, power.

**Level 1** — Most functions are still controlled by the driver, but some (like braking) can be done automatically by the car.

**Level 2** — At least 2 functions are automated (like adaptive cruise control and lane-centering), but the driver must be ready to take control of the vehicle.

**Level 3** — Drivers are still necessary but are not required to monitor the situation as with previous levels.

**Level 4** — Vehicles perform all safety-critical driving functions and monitor roadway conditions for an entire trip, with option for human driving.

**Level 5** — No option for human driving – no steering wheel or controls.

----STOP!----

**ACTIVITY #1**

Please answer the questions on this page at the moderator's instruction.

**LEVELS:**

**Level 0** — The driver (human) controls everything: steering, brakes, throttle, power.

**Level 1** — Most functions are still controlled by the driver, but some (like braking) can be done automatically by the car.

**WB3.** How comfortable would you be moving from driving a Level 0 vehicle to Level 1 vehicle? *Please circle one.*

1      2      3      4      5      6      7      8      9      10

**Not at all  
comfortable**

**Extremely  
comfortable**

----STOP!----

**LEVELS:**

**Level 1** — Most functions are still controlled by the driver, but some (like braking) can be done automatically by the car.

**Level 2** — At least 2 functions are automated (like adaptive cruise control and lane-centering), but the driver must be ready to take control of the vehicle.

**WB4.** How comfortable would you be moving from driving a Level 1 vehicle to Level 2 vehicle? *Please circle one.*

1      2      3      4      5      6      7      8      9      10

**Not at all  
comfortable**

**Extremely  
comfortable**

----STOP!----

**ACTIVITY #1 (CONTINUED)**

Please answer the questions on this page at the moderator's instruction.

**LEVELS:**

**Level 2** — At least 2 functions are automated (like adaptive cruise control and lane-centering), but the driver must be ready to take control of the vehicle.

**Level 3** — Drivers are still necessary but are not required to monitor the situation as with previous levels.

**WB5.** How comfortable would you be moving from driving a Level 2 vehicle to Level 3 vehicle? *Please circle one.*

1      2      3      4      5      6      7      8      9      10

**Not at all  
comfortable**

**Extremely  
comfortable**

----STOP!----

**LEVELS:**

**Level 3** — Drivers are still necessary but are not required to monitor the situation as with previous levels.

**Level 4** — Vehicles perform all safety-critical driving functions and monitor roadway conditions for an entire trip, with option for human driving.

**WB6.** How comfortable would you be moving from driving a Level 3 vehicle to Level 4 vehicle? *Please circle one.*

1      2      3      4      5      6      7      8      9      10

**Not at all  
comfortable**

**Extremely  
comfortable**

----STOP!----

**ACTIVITY #1 (CONTINUED)**

**Please answer the questions on this page at the moderator's instruction.**

**LEVELS:**

**Level 4** — Vehicles perform all safety-critical driving functions and monitor roadway conditions for an entire trip, with option for human driving.

**Level 5** — No option for human driving – no steering wheel or controls.

**WB7.** How comfortable would you be moving from driving a Level 4 vehicle to Level 5 vehicle? *Please circle one.*

1      2      3      4      5      6      7      8      9      10

**Not at all  
comfortable**

**Extremely  
comfortable**

----STOP!----

**ACTIVITY #2**

**Please read the following statement and then answer all questions on this and the following page.**

**WB8.** Which name is the best fit for this level of vehicle automation? *Please check below.*

**Level 0** — The driver (human) controls everything: steering, brakes, throttle, power.

- Human Only
- No Automation
- Other [SPECIFY] \_\_\_\_\_

**WB9.** Which name is the best fit for this level of vehicle automation? *Please check below.*

**Level 1** — Most functions are still controlled by the driver, but some (like braking) can be done automatically by the car.

- Modern Vehicle
- Driver Assistance
- Other [SPECIFY] \_\_\_\_\_

**WB10.** Which name is the best fit for this level of vehicle automation? *Please check below.*

**Level 2** — At least 2 functions are automated (like adaptive cruise control and lane-centering), but the driver must be ready to take control of the vehicle.

- Modern Plus
- Partial Automation
- Other [SPECIFY] \_\_\_\_\_

**----CONTINUE TO PAGE 8----**

**ACTIVITY #2 (CONTINUED)**

**Please answer all questions on this page.**

**WB11.** Which name is the best fit for this level of vehicle automation? *Please check below.*

**Level 3** — Drivers are still necessary but are not required to monitor the situation as with previous levels.

- Partial Autonomy
- Conditional Automation
- Other [SPECIFY] \_\_\_\_\_

**WB12.** Which name is the best fit for this level of vehicle automation? *Please check below.*

**Level 4** — Vehicles perform all safety-critical driving functions and monitor roadway conditions for an entire trip, with option for human driving.

- Full Autonomy (+ Human)
- High Automatin
- Other [SPECIFY] \_\_\_\_\_

**WB13.** Which name is the best fit for this level of vehicle automation? *Please check below.*

**Level 5** — No option for human driving – no steering wheel or controls.

- Full Autonomy (No Human)
- Full Automation
- Other [SPECIFY] \_\_\_\_\_

**----STOP!----**



### ACTIVITY #3

Please answer the questions on this page at the moderator's instruction.

**WB14.** Below are some names that others have suggested for these types of technologies that are widely available now. Which of the following is the best name to refer to this type of vehicle technology that is **currently available**? *Please circle one.*

- Self-driving vehicles
- Driverless vehicles
- Autonomous vehicles
- Driver assistance vehicles
- Safe-drive technologies
- Automated vehicle technology
- Other [SPECIFY] \_\_\_\_\_

----STOP!----

**WB15.** Below are some names that others have suggested for these types of technologies that are going to be available in the future. Which of the following is the best name to refer to this type of vehicle technology that is **coming**? *Please circle one.*

- Self-driving vehicles
- Driverless vehicles
- Autonomous vehicles
- Driver assistance vehicles
- Safe-drive technologies
- Automated vehicle technology
- Other [SPECIFY] \_\_\_\_\_

----STOP!----

**ACTIVITY #4**

**Please read the following statement and then answer all questions on this and the following page.**

**STATEMENT A:**  
 The faster the shift to self-driving cars happens safely on our roads, the faster thousands of lives can be saved.

**WB16.** To what degree do you agree to each of the following? *Please check your response in the grid below.*

	<b>Do not agree at all</b>	<b>Somewhat agree</b>	<b>Completely agree</b>
This statement tells me something I didn't know before.			
This statement makes me more supportive of having more vehicles with these types of driver assistance technology on the road.			
This statement is credible.			
This statement helps me understand the benefits of these vehicle technologies.			
This statement shows how my quality of life can be improved through these vehicle technologies.			
This statement demonstrates to me that these vehicle technologies can help to save lives on America's roads.			

**WB17.** Is there anything about this statement that is confusing or difficult to understand? If, so, what, and how could that be improved?

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**----CONTINUE TO PAGE 11----**

**ACTIVITY #4 (CONTINUED)**

Please read the following statement and then answer all questions on this and the following page.

**STATEMENT B:**

An estimated 94% of vehicle crashes involve human error. Driver assistance technologies – like adaptive cruise control, which helps you maintain space between your car and others, and lane keeping support, which helps you stay in your lane – are already available in many vehicles. These technologies reduce human error by alerting the driver or reacting more quickly than the driver could to avoid crashes and help save thousands of lives.

**WB18.** To what degree do you agree to each of the following? *Please check your response in the grid below.*

	<b>Do not agree at all</b>	<b>Somewhat agree</b>	<b>Completely agree</b>
This statement tells me something I didn't know before.			
This statement makes me more supportive of having more vehicles with these types of driver assistance technology on the road.			
This statement is credible.			
This statement helps me understand the benefits of these vehicle technologies.			
This statement shows how my quality of life can be improved through these vehicle technologies.			
This statement demonstrates to me that these vehicle technologies can help to save lives on America's roads.			

**WB19.** Is there anything about this statement that is confusing or difficult to understand? If, so, what, and how could that be improved?

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**ACTIVITY #4 (CONTINUED)**

Please read the following statement and then answer all questions on this page.

**STATEMENT C:**

Whether it's Tesla's autopilot, Uber's driverless ridesharing, or Google's self-driving cars, automated vehicles are here and improving every day. These technologies will significantly reduce the estimated 94% of crashes caused by driver error, helping to save thousands of lives.

**WB20.** To what degree do you agree to each of the following? *Please check your response in the grid below.*

	<b>Do not agree at all</b>	<b>Somewhat agree</b>	<b>Completely agree</b>
This statement tells me something I didn't know before.			
This statement makes me more supportive of having more vehicles with these types of driver assistance technology on the road.			
This statement is credible.			
This statement helps me understand the benefits of these vehicle technologies.			
This statement shows how my quality of life can be improved through these vehicle technologies.			
This statement demonstrates to me that these vehicle technologies can help to save lives on America's roads.			

**WB21.** Is there anything about this statement that is confusing or difficult to understand? If, so, what, and how could that be improved?

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**----STOP!----**

**ACTIVITY #4 (CONTINUED) \*TIME PERMITTING**

Please read the following statement and then answer all questions on this and the following page.

**STATEMENT D:**

An estimated 94% of vehicle crashes involve human error. Fully autonomous vehicle systems, which control the vehicle for the driver, hold the promise of eliminating human error related crashes entirely, helping to save tens of thousands of lives.

**WB22.** To what degree do you agree to each of the following? *Please check your response in the grid below.*

	<b>Do not agree at all</b>	<b>Somewhat agree</b>	<b>Completely agree</b>
This statement tells me something I didn't know before.			
This statement makes me more supportive of having more vehicles with these types of driver assistance technology on the road.			
This statement is credible.			
This statement helps me understand the benefits of these vehicle technologies.			
This statement shows how my quality of life can be improved through these vehicle technologies.			
This statement demonstrates to me that these vehicle technologies can help to save lives on America's roads.			

**WB23.** Is there anything about this statement that is confusing or difficult to understand? If, so, what, and how could that be improved?

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**ACTIVITY #4 (CONTINUED) \*TIME PERMITTING**

Please read the following statement and then answer all questions on this and the following page.

**STATEMENT E:**

You're a good driver. But with so many people driving recklessly, drunk, or while on their phone, having safe-driving technology in your vehicle will keep you safe from them.

**WB24.** To what degree do you agree to each of the following? *Please check your response in the grid below.*

	<b>Do not agree at all</b>	<b>Somewhat agree</b>	<b>Completely agree</b>
This statement tells me something I didn't know before.			
This statement makes me more supportive of having more vehicles with these types of driver assistance technology on the road.			
This statement is credible.			
This statement helps me understand the benefits of these vehicle technologies.			
This statement shows how my quality of life can be improved through these vehicle technologies.			
This statement demonstrates to me that these vehicle technologies can help to save lives on America's roads.			

**WB25.** Is there anything about this statement that is confusing or difficult to understand? If, so, what, and how could that be improved?

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**ACTIVITY #4 (CONTINUED) \*TIME PERMITTING**

**Please read the following statement and then answer all questions on this page.**

**STATEMENT F:**

Drivers who have used driver assistance technologies and driverless cars see their potential to save lives. Try it. You'll see it too.

**WB26.** To what degree do you agree to each of the following? *Please check your response in the grid below.*

	<b>Do not agree at all</b>	<b>Somewhat agree</b>	<b>Completely agree</b>
This statement tells me something I didn't know before.			
This statement makes me more supportive of having more vehicles with these types of driver assistance technology on the road.			
This statement is credible.			
This statement helps me understand the benefits of these vehicle technologies.			
This statement shows how my quality of life can be improved through these vehicle technologies.			
This statement demonstrates to me that these vehicle technologies can help to save lives on America's roads.			

**WB27.** Is there anything about this statement that is confusing or difficult to understand? If, so, what, and how could that be improved?

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**----STOP!----**

**EXERCISE #5**

**Please read carefully and answer the question on this page.**

**WB28.** Thinking back about everything we discussed this evening, please turn to the last page in your workbook and indicate which of these two perspectives is closest to your own:

- Some people say that it's safer when they (the driver) are in complete control of all the vehicle functions. They trust themselves more than technology, and say that technology software could be hacked, or that they can't fully relax in a vehicle where driving is controlled by a computer.
- Others say that vehicles in which driving is controlled by a computer are safer, because the technology is proven, there is new and better technology on the horizon and technology can react more quickly and reliably than people can.

*Please circle one.*

1. DEFINITELY FEEL HUMANS ARE SAFER
2. SOMEWHAT FEEL HUMANS ARE SAFER
3. SOMEWHAT FEEL TECHNOLOGY IS SAFER
4. DEFINITELY FEEL TECHNOLOGY IS SAFER

**----STOP!----**