Chapter 10 Skills and Applications

Pick A Word

Use the words in the box below to complete each statement.

advisory speed sign flash flood hine of sight median multilane roadway

roadway shoulder
runaway vehicle ramp
slow-moving vehicle
switchback

1. Rural roads with more than one lane going in the same direction

2. A vehicle usually identified by an orange triangular sign at the rear

3. Gives suggested travel speed for curve under ideal conditions

Pull-out Area

4. An additional right lane for slower moving vehicles

5. A grass, metal, or concrete divider that separates traffic moving in opposite directions

Live of sight

- 6. The distance you can see ahead in the direction you are looking when driving
- 7. Sudden rush of water due to excessive rain

Switchback

- 8. Series of sharp turns, often found in mountain areas
- 9. A paved, gravel, or soft area to the left or right of the roadway

Runaway Vehicle Ramp

10. An area specially designed to slow a vehicle that loses the ability to brake when going down a steep hill

Test Your Knowledge

Check correct or incorrect for each statement below.

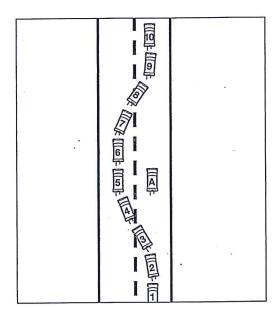
- 1. There are more fatalities in rural driving than in city driving mainly due to the number of hills and curves.
- 2. When crossing multilane highways, you should treat each side as a one-way street.
- 3. Lower gears might provide more power while going up steep hills.
- 4. It is illegal for you to speed up while being passed by another vehicle.
- 5. The 3-second following distance is the safest space cushion for all types of conditions in rural driving.
- 6. As you approach a hill in your vehicle, your line of sight becomes shorter.
- 7. When driving downhill, you should maintain steady pressure on the brake.
- **8.** Move to lane position 1 when you cannot see oncoming vehicles on mountain curves.
- 9. If caught in a sandstorm and you must drive, use your low-beam headlights.
- 10. On a divided highway, all vehicles must stop for a loading school bus.

	Correct	Incorrect
1.		
2.	t	
3.		
4.	1	
5.		
6.	i/	
7.		2
8.	1	
9.		
10.		

Study the Diagram

While traveling on a two-lane highway, another vehicle decides to pass vehicle A. The pass is safe and legal. Vehicle A is moving at a speed 15 miles under the limit. Starting with position 1, match the letter of each step of the passing maneuver below with the correct vehicle position number.

- A. Check for canceled left signal.
- B. Change lanes smoothly.
- C. Check rearview mirror for the headlights of vehicle A.
- **D.** Check for canceled right signal; adjust speed.
- E. Accelerate to proper speed.
- F. Pass vehicle A.
- G. Tap horn or flash headlights.
- H. Return to right lane.
- I. Check rear zones through mirror and mirror blind spot; signal right.
- J. Check mirror blind spot; signal left



Identify the Area to Scan

You are driving on the rural highway shown in the picture. Check which visual search area you would scan to identify each of the following.



- 1. Traffic controls
- 2. Side road on the right
- 3. Your speed
- 4. A car too close in the rear zone
- 5. Potholes in the roadway
- 6. Your fuel supply
- 7. A car in the left-rear zone
- 8. Oncoming traffic
- 9. Your headlights on high or low beams
- 10. Directional changes in the roadway

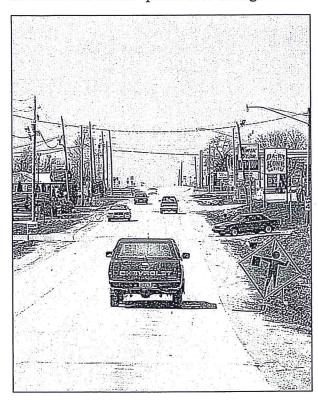
	•			
ě	Ahead	Sides	Mirrors	Instrument Panel
1.			**	
2.		1/		
3.				
4.			1	
5.				
6.	2			
(7.)				_
8.	V			
9.				
10/		1		

Unit 3 Driving in Different Environments and Situations

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List the Potential Conflicts

Study the picture provided. You are the driver of the vehicle behind the truck. Answer the questions to the right.



1. List four potential problems that may
change your path of travel.
a. Vehicle on right
b. ONCOMING Treffic
c
d
2. What actions might you need to take?
a. 510w down
b
3. What would you do if a vehicle from
behind began to pass you?
a. 510W down
.
b
 What potential problem might the roadway
cause in your path of travel?
a. Stopped to the whiches shown propers
5. Should any of the vehicles shown prepare
to pass in this situation?
to pass in tins situation:
a. :

Write Your Decision

Write the missing word or words that complete each statement on the blanks.

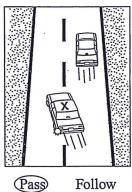
	· ·
	1. Prior to passing, drivers should make sure they can answer yes or no to whether it
	is legal, if it is, and if it is safe.
2.	is legal, if it is, and if it is safe. Little 12. Passing is normally not allowed when within 100 feet of a two-lane bridge, a (an)
	, or an underpass.
3.	3. After driving through a severe sandstorm, drivers should service their cars and
	change the:
4.	4. Shift to a gear before starting to drive downhill on a mountain roadway.

Write the Parts of the Procedure

ıst n	ve parts of the procedur						
1	See the Col	ve in yo	our tronget	9569.			
2	Check the	rear 2	one				÷
3			v y,·		· , · · · · · · · · · · · · · · · · · ·		
4						No.	
5				<u> </u>			

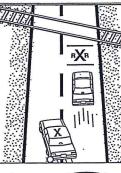
Use the Pictures

In each picture below, you are driving vehicle X at 50 mph on a two-lane highway with no oncoming or following traffic. Below each picture, circle the action to take and tell why on the blank lines.



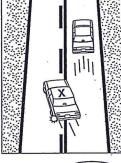
Follow

1. Why? ____

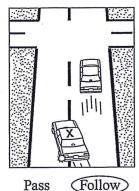


Follow Pass

2. Why?



Follow Pass 3. Why? _____



4. Why? _

Intersaction whin how feet



Determine Driver Actions

The diagram to the right shows a divided multilane highway. The highway has a crossover area for traffic from the east to enter in order for them to travel south.

Vehicle B wants to cross over then turn left.

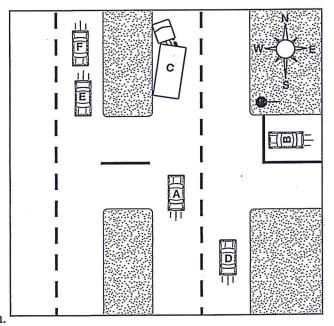
Vehicles A and D are both traveling northbound.

Vehicles E and F are traveling southbound.

Vehicle C is a tractor-semitrailer that is stalled on the roadway.

Study the diagram. Determine which action (listed below) each vehicle's driver should take. Write the letter of the vehicle on the blank next to each action.

- - _ 1. Lane change as soon as possible.
 - 2. Remain stopped until all northbound traffic clears.
 - _ 3. Get out of the mirror blind spot of the car as soon as traffic clears.
 - 4. Establish a 3-second following position.
 - _ 5. Sound the horn.
 - 6. Engage the hazard flashers.



Pick A Word

Use the word or words in the box that best matches each statement below.

acceleration lane common speed

controlled-access highway deceleration lane

-entrance ramp exit ramp -highway hypnosis

merging area -velocitation wolf packs

elocitation

1. Speed used by most drivers who drive on an expressway

- 2. Condition in which a driver unconsciously drives too fast after leaving an expressway
- 3. Allows the driver to search for a gap while picking up speed to match traffic flow

4. Type of expressway where vehicles can enter or leave only at an interchange

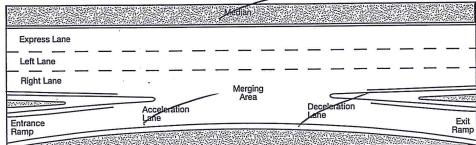
5. An added lane in which to slow your vehicle without slowing vehicles to the rear on the expressway

- 6. Condition in which a driver is lulled into an inattentive, drowsy state
- 7. Leads off of the expressway and allows the driver to look for a speed change and slow the vehicle
- 8. Allows the driver to evaluate path of travel, control zones, and determine the best entry speed
- 9. Allows the driver to evaluate time and space prior to moving into traffic flow
- 10. Groups of vehicles bunched together on an expressway

Use the Diagram

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Study the diagram above. Write the expressway term that matches each statement below.

1. Ramp that gives you access to an expressway

ack

- 2. Area that separates two-way traffic on an expressway
- 3. Ramp that leads a vehicle off an expressway
- 4. Added lane on an expressway in which to slow a vehicle without blocking vehicles behind
- 5. Part of an expressway entrance you enter at the same speed as vehicles in the nearest lane
- 6. Part of an expressway entrance that allows you to increase speed to that of vehicles on the expressway
- 7. Expressway lane with few exits, used by traffic during morning and evening rush hours

aceleration L

Name Date			Chapter 11 Skills and Applications		
Test Your Knowledge	š	Section 1			
Check correct or incorrect for each statement below about expressways.		Correct	Incorrect		
 Cross traffic is eliminated on controlled access expressways because there are no intersections. Expressways have a median strip or barrier between opposing 	1. 2.	1/0			
lanes of traffic. 3. Expressways have narrow shoulders and underpasses. 4. Pedestrians, nonmotorized vehicles, and slow-moving vehicles and	3.	:			
permitted on most expressways.Expressways are designed to help drivers anticipate conditions ahead.	4.				
List Expressway Strategies					
List four strategies to use to become a safe expressway driver. 1. Prefare yourself to Vehicle 2. Build Experience Gradually					
2. Dulle Experience Gradually	42.5.5.				
3					
4					
Identify Problem Areas			9		
Check the box to the right that identifies different problems	Entering	Exiting	Both		
you must look for when entering and exiting expressways. 1. Crossing paths with traffic					
2. Roadway renair activity	/.• <mark> </mark>				

- 3. Ramp signal light
- 4. High wall blocks vision
- 5. Ramp overflow
- 6. Merging area
- 7. Short acceleration lane
- 8. Wrong ramp choice
- 9. Short deceleration lane
- 10. Gap difficult to find
- 11. WRONG WAY OF DO NOT ENTER sign

	Entering	Exiting	Both
1.			
2.			
3.		Ē	
4.			
5.			
6.	`		
7.			
8.	•	•	را ا
9.			
10.	1		
11.		æ	9
			AND DESCRIPTION OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUM

Check the Lane



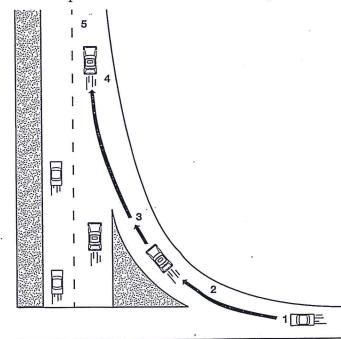
Above is a group of signs over an expressway. Check the correct lane for each question below.

- 1. Which lane should you use to go to Springfield?
- 2. Which lane should you use to go to Columbus?
- 3. Which lane should you use to exit highway 56?
- 4. Which two lanes can you use to go to Miami?
- 5. Which two lanes of the expressway are ending?

	Far Left Lane	Left Center Lane	Center Lane	Right Center Lane	Far Right Lane
1.					
2.				-	
3.					
4)					
5,/	V				1

Use the Diagram

Study the diagram. Write what actions to take at each of the five numbered points.

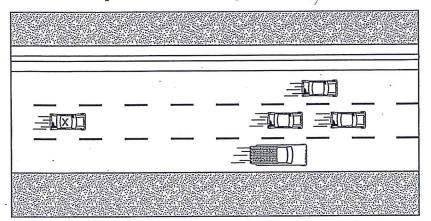


1.	a Right Signer		
	b	1.363.4	
2.	a. Evaluate Zove Con-		
	b		
	a. Accelerate		
3.	a. Accelerate		
	b		
	c	ا سد(_	
4.	170 JULY 1003C		
5.	Adjust speel + position. a. Adjust speel		
	b		
	C		

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Use the Picture

You are driving car X on an expressway with a view of traffic ahead as shown in the picture below. Check yes or no for each statement.



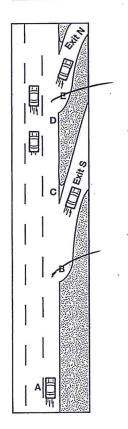
- 1. A wolf pack is forming ahead.
- 2. You should accelerate to join the cars ahead.
- 3. Maintain speed; be a "loner."
- 4. A driver in a wolf pack is likely to have trouble with lane changes.
- 5. If you are tailgated, speed up so the wolf pack protects you.

Match the Location

Study the picture of the expressway exits. Write the letter of the location that matches where each action should take place.

- _ 1. Give right turn signal to use exit S.
- 2. Begin to decelerate for exit S.
 - 3. Change to deceleration lane for exit N.
- _ 4. Adjust to exit ramp speed for exit N.
- 5. Give right turn signal to use exit N.

Γ	Yes	No
1.		
2. 3.		
3.		
4.		
5.		



Pick a Word

Use the word or words in the box that best matches each statement below.

controlled braking fishtailing hydroplaning

overdriving headlights rocking a vehicle skid

1. A tire rises up on top of water and no longer has contact with the road 2. Driving forward a little and then back a little to move your vehicle out of snow, mud, or sand

- 3. When tires lose all or part of their grip on the roadway while braking, accelerating, or steering
- 4. The rear of the vehicle swerving back and forth
- 5. A technique of applying your brakes to slow or stop quickly without locking your wheels

6. Driving at a speed that makes your stopping distance longer than the distance lighted by your headlights

Check Your Knowledge

Check correct or incorrect for each situation. If the statement is incorrect, write the word that makes the statement correct.

Correct Incorrect 1. 0: 2. 3. 4. 5. 6. 7. 8. 9. 10. 11.

- 1. Turn on the heater to help reduce moisture on the inside of the windshield.
- 2. The darkest days have the darkest shadows.
- 3. Move to lane position 2 if the oncoming driver does not reduce high-beam headlights.
- 4. In fog, other vehicles may be closer than you think.
- 5. Use high-beam headlights day or night when it
- 6. Slushy snow in standing water can increase hydroplaning risk.
- 7. If water is just over the tire rims, drive quickly in low gear.
- 8. Apply heavy brake pressure to help dry wet brakes.
- 9. To help correct a skid, steer toward the target.
- 10. You are in a rear-wheel skid if you turn the steering wheel and the vehicle continues straight.
- 11. Correct an over-power skid by letting off the accelerator.
- 12. ABS will enable you to stop in a shorter distance.
- 13. When your engine gets hot, turn on your air conditioner.

Correction

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12.

13.

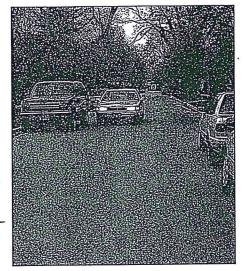
	<u>—</u>
Name	Date

Chapter 12 Skills and **Applications**

Answer the Question

After you have looked at the photo and considered the low-visibility conditions, write the answers to the questions.

- 1. When is it safe to use high-beam headlights when other vehicles are on the road in front of you?
- 2. What is the most important rule for your vehicle's glass? Keep it Clean
- 3. What action can you take to remind drivers to lower their high-beam headlights?
- 4. How can stopping distance be checked on dry pavement at night? he 4- Second Stopping rule 150
- 5. What three actions can a driver take if moisture builds up on the inside of the windshield?



Choose Your Action

Write the action you should take to reduce your risk.

- 1. You encounter fog while driving.
- 2. You are driving at the maximum speed limit when sleet starts to fall.
- 3. It looks like the water on the road ahead will be as high as the bottom of your vehicle.
- 4. You get stuck in deep snow, mud, or sand.
- 5. You must drive on a heavily traveled gravel road.
- 6. You need to brake hard with your ABS-equipped vehicle.
- 7. Ice and slush are stuck to the underside of your vehicle when you park.
- 8. You get stuck in deep snow with your engine running.
- 9. Snow is packed down in the tire tracks in lane position 1.
- 10. You need to check your traction in icy areas.

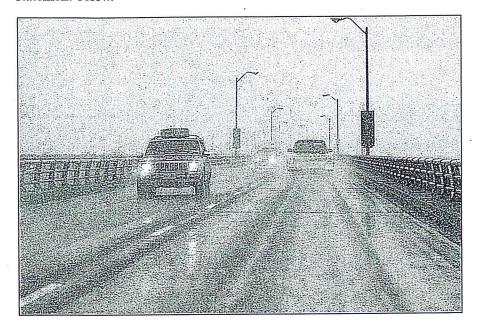
Your Action

10.	Sque	eze	brakes	lightly
	at	(ow	speeds	9047
	From	· +	aftic	,

Name		Date		Chapter 12 Skills and Applications
Pick the Term				
Use the words in the box to traction control.				*
1. Remove accelerator or b	skid.	controlled		
2. Oucrower skid drive wheels.		front-wheel over-power		
3. A front-wheel skid resul	trol.	steering		
4. In a recruiree (skid, steer quickly	and precisely.		
5. The squeeze-relax-squee	ac		braking.	
•	eqs.			* *.
Test Your Knowledge				. *
Answer the questions below.	r.			
Target Area A B C			A A Diag	ram B
1. The vehicle in Diagram	A skidded off targe	t.		
A. Where should the dri				
Look towar		- Annual		
Look towar	rd B.			• •
Look towar	rd C.			
B. Where should the dri	ver steer? Check the	e correct answer.		
Steer towar	rd A.			
Steer towar				
Steer towar	rd C.	P		
2. List the three steps a dri	iver should take to c			
5)	E2			
3. If a vehicle does not have the driver should use to	125	lescribe the technic	que	
<u>· ~ · · · · · · · · · · · · · · · · · ·</u>				
4. In Diagram B, circle A				

Study the Picture

Study the conditions in the picture and check true or false for each statement below.



- 1. Rain covered roadways create limited traction.
- 2. Use cruise control on slippery roads for control.
- 3. Increase following distance from other vehicles.
- 4. Use high-beam headlights to increase visibility to others.
- 5. Roads are most slippery when rain starts to fall.
- 6. Drive in the tire tracks left by other vehicles.
- 7. Bald tires reduce the chance of hydroplaning.
- 8. A sign that the brakes are wet is the vehicle pulls to one side.
- 9. Estimate water depth by looking at parked vehicles.
- 10. If the windshield wipers must be used, turn off the headlights.

	True	False
1.		
2.		
3.		
4.		
5.		
6.	1	
7.	i,	
8.	1	
9.		
l0.	R	1