

## CHAPTER 12 Light and Weather Conditions

### STUDY GUIDE FOR CHAPTER 12 LESSON 1

## Driving Safely in Low Light and at Night

A. For each sentence below, circle T if the statement is true and F if it is false. Correct each false statement in the space below.

1. As visibility decreases, your risk of being in an accident decreases.      T      F
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2. Headlights from an oncoming vehicle can have a blinding effect.      T      F
- \_\_\_\_\_

3. When driving during dusk and dawn hours, you should use your parking lights.      T      F
- \_\_\_\_\_

4. At night, you should decrease the distance between your vehicle and the vehicle ahead.  
T      F
- \_\_\_\_\_

5. You can use your high beams on dark roads when there are no other vehicles around.  
T      F
- \_\_\_\_\_

6. When an oncoming vehicle's headlights are bright, you should look directly at the headlights.  
T      F
- \_\_\_\_\_

7. At night, you should not overdrive your headlights.      T      F
- \_\_\_\_\_

8. At dusk, you should keep your low-beam headlights on.      T      F
- \_\_\_\_\_

9. Overdriving your headlights means driving at a speed that will not allow you to stop within their range.      T      F
- \_\_\_\_\_

10. At night, you should get into the habit of looking for objects beyond your headlight beams.  
T      F
- \_\_\_\_\_

B. FIND OUT MORE. Keep a record of all traffic collisions reported in your local newspaper for one week. What percentage of the collisions happened between the hours of 9 p.m. and 6 a.m.?

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## STUDY GUIDE FOR CHAPTER 12 LESSON 2

## Visibility, Bright Light, and Glare

A. For each sentence below, circle T if the statement is true and F if it is false. Correct each false statement in the space below.

1. The sun's glare is most dangerous to drivers at noon.      T      F

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2. A badly scratched windshield should be replaced.      T      F

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3. Sunglasses are not effective against the glare of late afternoon sun.      T      F

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4. During periods of extreme glare, you should decrease your following distance.      T      F

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5. Driving with your low-beam headlights on does not help when the glare is strong.      T      F

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B. What advance preparation can you make before driving when you know that you may be driving in glaring sun?

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C. FIND OUT MORE. Call a local optometrist's office, the optical department of a local store, or a vision clinic, and ask what are some of the best kinds of sunglasses made to combat the effects of the sun's glare. Ask how much they cost. Report your findings below.

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## STUDY GUIDE FOR CHAPTER 12 LESSON 3

## Minimizing Risk in Rain and Snow

A. For each sentence below, circle T if the statement is true and F if it is false. Correct each false statement in the space below.

1. When driving in snow, you should follow the tire tracks of the vehicle ahead of you because the tracks are drier and give better traction.      T      F

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2. Driving with snow tires increases fuel economy.      T      F

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3. To prevent skids, you should change speeds as rapidly as possible.      T      F

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4. Roads are not very slick during the first 15 minutes of a rainfall.      T      F

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5. Hydroplaning happens when your vehicle rides on a thin film of water.      T      F

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B. If your vehicle became stuck in the snow, what would you do to set it free?

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C. FIND OUT MORE. Most states that allow the use of studded snow tires have restrictions on when they can be used. What does your state's driver's manual say about this?

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## STUDY GUIDE FOR CHAPTER 12 LESSON 4

## Other Hazardous Weather Conditions

- A. What precautions should you take when driving in fog? What should you do when fog becomes very dense?

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- B. What are the dangers of driving in high wind? What can you do to drive more safely in very windy situations?

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- C. **FIND OUT MORE.** The chapter says that in fog, your vehicle can collect moisture on the inside as well as on the outside of its windows. What can you do to prevent this? Visit or call a local auto parts store and ask if there are any products on the market that reduce moisture on the inside of your vehicle's windows.

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