# Chapter 6

# Positioning Aerial Apparatus

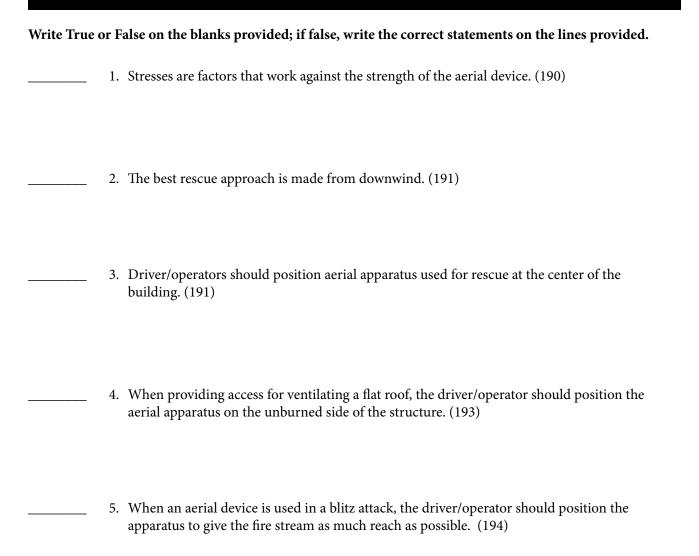
#### Terms

Write the definition of the terms below in the blanks provided.

- 1. Preincident Planning (188)
- 2. Stresses (190)
- 3. Blitz Attack (194)
- 4. Defensive Attack (194)
- 5. Exposure Protection (194)
- 6. Stabilizer (196)
- 7. Stabilizer Pad (196)
- 8. Vaulted Surfaces (196)
- 9. Ice Shrugging (198)

10. Staging Area Manager (206)

## True/False



6. The aerial device should not be supported on the structure during defensive operations. (195)

- 7. If it becomes necessary to exit an apparatus that is in contact with electric lines, personnel should jump clear of the energized apparatus to reduce the risk of electrocution. (199)
- 8. A tillered aerial apparatus may be positioned to increase stability by jackknifing the apparatus. (200)
- 9. Level II staging is used on every emergency response when two companies which perform similar functions are dispatched. (206)
- 10. During a technical rescue incident, avoid spotting the apparatus in a location that will require the apparatus to be stabilized on top of debris. (218)

#### **Short Answer**

#### Write the correct answers on the blanks provided.

1. List four main tactical uses for any aerial device. (191)

- 2. What are some factors the driver/operator must consider when determining the final operating position of the aerial apparatus? (195)
- 3. What are some signs that an exterior collapse may occur? (204)

4. List and describe three control zones used during a hazardous material incident. (211)

5. List three challenges to positioning aerial apparatus during a processing facility or refinery incident.

(217)

## **Multiple Choice**

#### Write the correct answers on the blanks provided.

- 1. The development of apparatus placement procedures should be a function of: (188)
  - A. driver training.
  - B. preincident planning.
  - C. the recruit academy.
  - D. the driver/operator of specific apparatus.
- 2. During a multi-story building fire, the engine takes the outside position while the aerial parks next to the building if the building is taller than \_\_\_\_\_ stories high. (189)
  - A. 3
  - B. 4
  - C. 5
  - D. 6
- 3. Which of the following is NOT one of the four main tactical uses of an aerial device? (191)
  - A. Rescue
  - B. Ventilation
  - C. Fire suppression
  - D. Salvage and overhaul
  - 4. When providing access for ventilating a flat roof, aerial ladders should be extended at least \_\_\_\_\_ feet (m) above the roof level. (193)
    - A. 3(1)
    - B. 4 (1.2)
    - C. 5 (1.8)
    - D. 6(2)

- 5. If the aerial device is being used to assist with horizontal ventilation, the turntable should be positioned so that the entire aerial device will be \_\_\_\_\_ the ventilation points. (193)
  - A. upwind of
  - B. parallel to
  - C. below
  - D. downwind of
- 6. During \_\_\_\_, the driver /operator should position the apparatus to give the fire stream as much reach into the fire area as possible. (194)
  - A. a blitz attack
  - B. a defensive attack
  - C. a rescue operation
  - D. exposure protection
- 7. Elevated streams are most commonly used in \_\_\_\_\_ operations. (195)
  - A. rescue
  - B. defensive
  - C. offensive
  - D. exposure protection
- 8. The goal is to maintain a distance of at least \_\_\_\_\_ feet (m) between the aerial device and overhead electric lines. (199)
  - A. 5 (2)
  - B. 10 (3)
  - C. 15 (5)
  - D. 20 (6)
- When jackknifing a tillered apparatus, the greatest stability is achieved when the angle is approximately <u>degrees</u> from in-line and the aerial device is extended away from the angle. (200)
  - A. 45
  - B. 60
  - C. 75
  - D. 90
  - 10. Through improvements in incident management strategies, a \_\_\_\_- level staging procedure has been developed. (206)
    - A. two
    - B. three
    - C. four
    - D. five

- 11. Which of the following guidelines regarding deploying aerial devices from the bridge side is LEAST accurate? (216)
  - A. Be sure that the guard rail is above 4 feet (1 m) in height
  - B. Be sure that the bridge has a load capacity that is safe for the apparatus.
  - C. Be sure the road surface upon which the apparatus is parked is in good condition.
  - D. Use caution when raising the aerial device if the bridge has a superstructure above the road surface.