Hazardous Materials - Response Priorities and Actions

1. What should be done first when evacuating people during a hazardous materials incident? p. 964

A.) Neutralize the hazardous material threat
*B.) Identify which materials may be present
C.) Evacuate the surrounding area
D.) Send in personnel for primary search

2. What is likely the best course of action when presented with a pressurized-gas-cylinder fire? p. 966

A.) Close the relief valve
B.) Extinguish the fire
*C.) Allow the fire to burn itself out
D.) Remove the cylinder to a safe location

3. How many lengths of plastic pipe should be used when constructing an overflow dam? p. 969

A.) Four or five
B.) Three or four
*C.) Two or three
D.) One or two

4. What is considered an invaluable resource when determining the appropriate area of evacuation during a hazardous materials incident? p. 963

A.) Population density
B.) List of disable people
C.) Terrain maps
*D.) Weather conditions

5. What is the process of creating an area to hold hazardous materials? p. 969

*A.) Retention
B.) Revision
C.) Diversion
D.) Damming

6. What should be used to suppress vapors from a distance? p. 971

A.) Straight stream
B.) Fog stream
*C.) Foam stream
D.) Solid stream

7. What should be used to line the depression used for retention of a hazardous material? p. 970

A.) Wood
*B.) Plastic
C.) Concrete blocks
D.) Metal

8. What extinguishing agent is used on most flammable and combustible liquid fires? p. 965

*A.) Foam
B.) Water
C.) Dry chemical
D.) Wet chemical

9. Which is a major factor when deciding to evacuate or shelter-in-place? p. 963

*A.) Toxicity of the material
B.) Number of people
C.) Amount of the material
D.) Cooperation of the people

10. What are used for shelters in many cases when evacuating due to a hazardous materials incident? p. 962

A.) Private residences
B.) Stores
*C.) Schools
D.) Warehouses

11. Where should you look to find the remote shut-off valve on an MC-306/DOT 406 cargo tank? p. 972

A.) Inside the vehicle cab
*B.) Front or rear of the cargo tank
C.) Top or bottom of the cargo tank
D.) Either side of the cargo tank

12. Which type of materials is the underflow dam used to contain? p. 969

A.) Water soluble and have a specific gravity is more than 1
B.) Water soluble and have a specific gravity of less than 1
*C.) Not water soluble and have a specific gravity less than 1
D.) Not water soluble and have a specific gravity of more than 1

13. Who should be notified when an incident involves potential criminal or terrorist activities? p. 972

A.) Safety officer
*B.) Law enforcement
C.) Building owner
D.) General public/media

14. Which is sometimes called "dry foam" and leaves very little water residue? p. 965

A.) Alcohol-resistant aqueous film-forming foam
B.) Fluoroprotein foams
*C.) High-expansion foams
D.) Aqueous film-forming foam

15. What is one of the first response priorities? p. 962

A.) Neutralizing the agent
B.) Decontaminating personnel
*C.) Evacuation of the area
D.) Removing the container

16. What type of gas monitor should be used to identify a safe work area when performing vapor dispersion? p. 971

*A.) Four-gas
B.) Two-gas
C.) Three-gas
D.) Five-gas

17. What is used when a liquid is flowing in a natural channel and its progress can be stopped by blocking the channel? p. 968

A.) Diking
*B.) Damming
C.) Retention
D.) Diversion

18. Who should be consulted when considering using dilution with a hazardous material? p. 970

A.) Company officer
B.) EPA
*C.) Hazardous materials technician
D.) Incident commander

19. Which actions stop the hazardous material from leaking or escaping from its container? p. 965

*A.) Containment
B.) Confinement
C.) Deflection
D.) Detection

20. What is the technique of controlling fumes or vapors that are given off by certain materials? p. 971

A.) Vapor dispersion
B.) Vapor collection
*C.) Vapor suppression
D.) Vapor dilution

21. Which of the following occurs during the recovery phase of a hazardous materials incident? p. 972

A.) Containment
B.) Exposure protection
C.) Rescue
*D.) Clean up

22. What is the process of applying a material that will soak up and hold the hazardous material? p. 966

A.) Abduction
B.) Adsorption
*C.) Absorption
D.) Adduction