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**Introduction to Hazardous Materials Exam**

1. \_\_\_\_\_Which of the following is a true statement about hazmat incidents?
   1. Hazmat incidents are no more complex than routine incidents
   2. Governmental agencies are not involved in regulating hazmat
   3. Responders to hazmat incidents do not require any special training
   4. Hazmat incidents involve a substance that poses an unreasonable risk to people, the environment, and/or property
2. \_\_\_\_\_Which governmental agency requires responders to hazmat incidents to meet specific training requirements?
   1. Environmental Protection Agency (EPA)
   2. Federal Trade Commission (FTC)
   3. Bureau of Hazardous Materials (BHM)
   4. Consumer Product Safety Commission (CPSC)
3. \_\_\_\_\_Which NFPA standard applies to hazmat?
   1. NFPA 275
   2. NFPA 351
   3. NFPA 472
   4. NFPA 1100
4. \_\_\_\_\_Which of the following is a primary responsibility of the awareness-level first responder?
   1. Implementing a plan of action
   2. Beginning offensive actions at the incident
   3. Recognizing the presence or potential presence of a hazmat
   4. Determining the extent of potential harm from the incident
5. \_\_\_\_\_Which of the following products are most likely to be involved in a hazmat incident?
   1. Plastics
   2. Synthetics
   3. Flammable/combustible liquids
   4. Organic solids
6. \_\_\_\_\_Which of the following factors has the greatest impact on the severity of a hazmat incident?
   1. Type and quantity of the material involved
   2. Location of the release
   3. Time of the release
   4. Speed of the release
7. \_\_\_\_\_Which of the following would be a potential ignition source at a hazmat incident?
   1. Synthetic clothing
   2. Road flares
   3. Debris
   4. Foam fire extinguishers
8. \_\_\_\_\_Which of the following describes the range of hazmat characteristics?
   1. Non-flammable to extremely flammable
   2. Non-reactive to highly reactive (i.e. detonate easily or unexpectedly)
   3. Short-lived to multi-generational radioactive and biochemical effects
   4. All of the above
9. \_\_\_\_\_Which of the following categories refers to harm from an exposure to a living microorganism?
   1. Etiological
   2. Thermal
   3. Radiological
   4. Chemical
10. \_\_\_\_\_Which of the following categories refers to harm from the result of extreme temperatures?
    1. Etiological
    2. Thermal
    3. Radiological
    4. Chemical
11. \_\_\_\_\_The behaviors of hazmat do not depend upon which of the following?
    1. Its physical state
    2. Its flammability
    3. Its chemical reactivity
    4. A firefighter’s readiness
12. \_\_\_\_\_Which of the following hazard-control zones is the area with the greatest hazard at a hazmat incident site?
    1. Cold zone
    2. Warm zone
    3. Hot zone
    4. The perimeter
13. \_\_\_\_\_A corrosive is classified as which of the following hazard types?
    1. Chemical
    2. Thermal
    3. Mechanical
    4. Biological
14. \_\_\_\_\_Which of the following routes of entry best describes the process that occurs when breathing in smoke?
    1. Absorption
    2. Inhalation
    3. Ingestion
    4. Injection
15. \_\_\_\_\_Which of the following routes of entry best describes the process that occurs when a person swallows a pill?
    1. Absorption
    2. Inhalation
    3. Ingestion
    4. Injection
16. \_\_\_\_\_Which of the following routes of entry best describes the process that occurs when a substance splashes into an eye?
    1. Absorption
    2. Inhalation
    3. Ingestion
    4. Injection
17. \_\_\_\_\_Which of the following routes of entry best describes the process that occurs when the skin is punctured by a syringe?
    1. Absorption
    2. Inhalation
    3. Ingestion
    4. Injection
18. \_\_\_\_\_Which of the following is “the physical and/or chemical process of reducing and preventing the spread of a contaminant from personnel and/or equipment used at a hazmat incident”?
    1. Decontamination
    2. Confinement
    3. Containment
    4. None of the above
19. \_\_\_\_\_Which of the following locations would most likely have a radiological hazard?
    1. Medical centers
    2. Nuclear power plants
    3. Research facilities
    4. All of the above
20. \_\_\_\_\_Which of the following requires the use of placards during transportation of hazmat?
    1. Occupational Safety and Health Association (OSHA)
    2. Department of Transportation (DOT)
    3. Environmental Protection Agency (EPA)
    4. None of the above
21. \_\_\_\_\_Which of the following are substances that prohibit the body from using oxygen?
    1. Simple asphyxiants
    2. Primary asphyxiants
    3. Chemical asphyxiants
    4. Organic asphyxiants
22. \_\_\_\_\_Which of the following does not determine the severity of a chemical hazard?
    1. Toxicity of the chemical
    2. Route of exposure
    3. Nature and extent of exposure
    4. Time of day
23. \_\_\_\_\_Which of the following refers to damage that occurs as a result of direct contact with an object?
    1. Radiological
    2. Thermal
    3. Mechanical
    4. Psychological
24. \_\_\_\_\_Which of the following should awareness-level first responders be able to recognize?
    1. Cost of containment
    2. Container type
    3. Extent of potential harm
    4. Behavior of material
25. \_\_\_\_\_Which of the following is a primary responsibility of an awareness-level first responder?
    1. Determining resources needed for an emergency
    2. Evaluating the response of all agencies involved
    3. Protecting nearby property from the effects of a release
    4. Transmitting information to an appropriate authority
26. \_\_\_\_\_Which of the following agencies has jurisdiction over the Occupational Health and Safety Administration (OSHA)?
    1. Department of Labor
    2. Department of Transportation
    3. Environmental Protection Agency
    4. Nuclear Regulatory Commission
27. \_\_\_\_\_The Environmental Protection Agency (EPA) is responsible for controlling radioactive materials.
    1. True
    2. False
28. \_\_\_\_\_Normal firefighter turnout gear is rated for hazmat incidents
    1. True
    2. False
29. \_\_\_\_\_Which of the following are etiological hazards?
    1. Viral agents
    2. Rickettsias
    3. Both A and B
    4. Neither A nor B
30. \_\_\_\_\_Which of the following describes the short-term health effects that appear within hours or days of exposure to hazmat?
    1. Acute
    2. Chronic
    3. Both A and B
    4. Neither A nor B