INDIANA DEPARTMENT

OF

HOMELAND SECURITY

HAZARDOUS MATERIAL TECHNICIAN

SAMPLE TEST
1. A ______ may be used to side patch leaking one-ton containers of chlorine gas.
   A. Chlorine "A" Kit  B. Chlorine "B" Kit  C. Chlorine "C" Kit  D. Midland Kit
2. A major concern when hazardous materials spill into rivers or lakes is:
3. Which of the following functions at a hazardous materials incident is served by the Logistics Sector?
   A. providing information to the media  B. coordinating interaction between law enforcement personnel and emergency response operations  C. monitoring the incident and personnel and assuring compliance with safety procedures  D. provides for support needs including, facilities, services, and materials
4. _____ rays are the most dangerous type of radiation.
   A. Alpha  B. Beta  C. Delta  D. Gamma
5. Prior to installing a patch on a leaking small container, you should:
   A. patches can be both commercial and homemade.  B. select a patch size half a size larger than the opening.  C. check material compatibility with the leaking product.  D. all of the above are correct
6. A liquid's ability to mix with water best defines:
7. Three types of biological weapons are:
8. ________ is the controlled burning of a liquid or gas to reduce or control the pressure and/or to dispose of the product.

A. Flammable range
B. Boilover
C. Flaring
D. Frothover

**Directions:** Match the materials listed in Column B to the appropriate non-bulk container in which they would typically be transported, listed in Column A.

<table>
<thead>
<tr>
<th>Column A</th>
<th>Column B</th>
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<tbody>
<tr>
<td>9. Carboys</td>
<td>A. solid fertilizers and pesticides</td>
</tr>
<tr>
<td>10. Aerosol Container</td>
<td>B. liquids such as acids and caustics</td>
</tr>
<tr>
<td>11. Bags</td>
<td>C. paints and pesticides with propellants</td>
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<tr>
<td>12. Drums</td>
<td>D. cryogenic liquids</td>
</tr>
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<td></td>
<td>E. liquids and solids</td>
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</tbody>
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13. The physical destruction or decomposition of chemical protective clothing material due to exposure to chemicals, general use, or ambient conditions defines:

A. degradation.
B. penetration.
C. permeation.
D. diffusion.

14. All of the following are procedures for personnel wearing vapor-protective clothing requiring emergency decon **except:**

A. conduct an on-the-spot gross rinse of the PPE.
B. conduct a fine decon.
C. transfer patient to the decon area.
D. minimize interior contamination.

15. ________ is the flow of a hazardous material through zippers, pinholes or other material imperfections found in chemical protective clothing.

A. Degradation
B. Penetration
C. Permeation
D. Diffusion

16. Which of the following is **not** a method of disposing of contaminated water?

A. Freezing
B. Evaporation
C. Deep well injection
D. Filtration
17. When facing a fire involving the cargo of a truck transporting explosives, the Haz Mat Technician should:

A. increase water application immediately.
B. try to separate unburned cargo.
C. attempt to move involved vehicle to a safer location.
D. immediately evacuate to a safe distance.

18. The physical process of immediately reducing contamination of individuals in potentially life-threatening situations, without formal establishment of a contamination reduction area, best describes:

A. technical decontamination.
B. hazard reduction.
C. emergency decontamination.
D. isolation.

19. Glass or plastic bottles that may be encased in outer packaging used to transport solids or liquids best describes:

A. carboys.
B. drums.
C. pressurized cylinders.
D. bins.

20. An impaired person might not be able to recognize his/her own signs and symptoms. They may be able to continue to work in this impaired condition. This is one reason that 

A. the Buddy System
B. the Incident Commander
C. medical monitoring
D. Both A & C are correct

REFERENCES FOR HAZARDOUS MATERIALS TECHNICIAN

<table>
<thead>
<tr>
<th>Publisher/Title</th>
<th>Reference Code</th>
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<tbody>
<tr>
<td>3. DOT, Emergency Response Guidebook</td>
<td>ERG</td>
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