

Emergency Response DVD Assessment Instructor Answer Sheet

1. The most important weather condition to know during the initial response is:
 - a. Barometric Pressure
 - b. Humidity
 - c. Wind Direction
 - d. Precipitation

2. Proper PPE must be worn to safely respond to any incident involving the release of a chemical such as chlorine.
True False

3. Chlorine placards indicate a _____ (poison gas) with the UN Number _____(1017).

4. Chlorine is a gas that is heavier than air.
True False

5. The most important action a first responder can perform initially at the site of an incident involving a chemical release is to isolate the area and deny entry until help arrives.
True False

6. Water is a good way to control chlorine gas at the point of release.
True False

7. In an initial NIMS (National Incident Management System) response, place the following actions in their most likely order.

Evacuate and treat victims	_____ (4)
Secure the site	_____ (3)
Establish Incident Command	_____ (1)
Set up air monitoring system	_____ (5)
Establish safe and hot zones	_____ (2)

8. When establishing buffer zones no thought should be given to wind direction.
True False

9. In the U.S. immediate information can be obtained from _____ (CHEMTREC) at 1-800-424-9300 and in Canada, _____ (CANUTEC) at 1-613-996-6666.

10. The Chlorine Institute facilitates a nation-wide emergency plan that includes regional emergency teams prepared to provide technical assistance for incidents involving chlorine. This program is known as _____ (CHLOREP).
11. These teams are activated by contacting _____ (CHEMTREC or CANUTEC.)
12. When selecting which smartphone or tablet apps to use, you should:
- a. Find an app that uses up-to-date information from reliable sources, such as government agencies
 - b. Find the most colorful app
 - c. Buy the most expensive app, because it has to be the best
 - d. Only attempt to download the app in the middle of a response
13. Anyone entering the hot zone during a chemical release response must be decontaminated when exiting.
True False
14. Before installing any type of kit or repair device the _____ (pressure) of the vessel must be determined.
15. If there is a large release of chlorine in a hilly area, chlorine will flow downhill, sometimes against the wind direction, and sink into low-lying areas.
True False
16. A follow up critique performed as soon as possible after the incident is over is critical to improving response protocols and procedures.
True False

Questions on the Tabs

17. Chlorine is transported as a liquid under pressure, but due to a very low boiling point transitions to a _____ (gas) when released.
18. Chlorine is a colorless, odorless gas when released into the atmosphere.
True False
19. It should be noted that when chlorine is in the presence of water it forms _____ (corrosive acids).
20. When using the "Buddy System" two responders enter the hot zone and a back up team stands by.
True False
21. _____ (Shelter-in-place) is when the public in the path of a chemical release is instructed to remain inside and seal doors and windows significantly reducing their exposure to the released material.

22. Name two different protective response actions in the event of a chlorine release.

Shelter-in-Place
Isolate Area, Deny Entry
Public Notification
Evacuation

23. The Chlorine Institute maintains Pamphlets on appropriate PPE for responding to a chlorine release and other topics such as first aid for chlorine exposure.

True False

24. Chlorine is transported as a Class _____ (2) Division _____ (2.3) poison gas.

25. After stopping the release from a leaking chlorine container, removal of the remaining material is a primary concern. There are several possible methods. Consult the chlorine supplier before taking any further action.

True False

26. Place the appropriate container number by the corresponding repair kit:

“A” Kit (2) _____

1. Tank cars

“B” Kit (3) _____

2. 100/150# cylinders

“C” Kit (1) _____

3. Ton containers

27. Liquid chlorine increases in volume by 460 times as it becomes a gas.

True False

28. Water should not be used on liquid chlorine because it will act as a heat source increasing chlorine’s vaporization.

True False

29. When sheltering-in-place, you should go to

- a. The attic
- b. The basement
- c. The highest, insulated level

30. Exposure to an atmosphere containing 500 ppm chlorine for 5 minutes can be lethal to individuals not dressed in the proper PPE.

True False