

Chlorine Quiz

1. What is the United Nations four-digit designation for chlorine? _____.
2. What color is chlorine gas? _____.
3. Name two materials that will react violently with chlorine. _____ & _____.
4. One volume of liquid chlorine yields about how many volumes of chlorine gas? _____.
5. Which poses more hazards, a gas or liquid chlorine leak? _____.
6. What is the NIOSH IDLH concentration level? _____.
7. What is the potential hazard to workers caused by the boiling temperature of chlorine?
_____.
8. Is chlorine gas lighter or heavier than air? _____.
9. At what level is chlorine detectable by the human nose in ppm? _____.
10. If a container does leak, how should the leak point be positioned and why?
_____.
11. In a fire, does chlorine gas participate as an igniter, fuel, or oxidizer? _____.
12. Can a fire occur if there is no oxygen, but chlorine gas is present? _____.
13. What is the maximum number of turns a chlorine cylinder or ton container valve should be opened? _____.
14. What prevents chlorine containers from rupturing when exposed to fire?
_____.
15. Why should water not be applied to a chlorine leak?
_____.

16. Label the diagram of the ton container with the following items:
- a. valves
 - b. protective hood
 - c. liquid feed pipe
 - d. gas feed pipe
 - e. liquid chlorine
 - f. gas chlorine

32. Label the diagram of the ton container with the following items:
- a. valves
 - b. protective hood
 - c. liquid chlorine phase (full container)
 - d. gas eduction tube
 - e. liquid chlorine phase (full container)
 - f. gas chlorine phase (full container)

