



AALSO WQ Level 1 Practice Test - 2016

1. How much Sodium Thiosulfate do you add to a bleached quarantine tank that is 375 gallons if the dose rate is 1 g/50 gallons?
 - a. 3.75 grams
 - b. 75 grams
 - c. 7.5 grams
 - d. 18.75 grams
2. Which of the following is wrong?
 - a. Calcium carbonate = Limestone
 - b. Calcium chloride = Lysine
 - c. Sodium hydroxide = Lye
 - d. Calcium hydroxide = Lime
3. Which of the following is not considered Laboratory Personal Protective Equipment (PPE)?
 - a. Face Shield
 - b. Safety Glasses
 - c. Leather Gloves
 - d. Lab Coat
4. Which is the preferred glassware to use when performing a dilution?
 - a. Erlenmeyer flask
 - b. Beaker
 - c. Graduated Cylinder
 - d. Volumetric Flask
5. Which of the following chemicals is not a regulated carcinogen?
 - a. Formalin/Formaldehyde
 - b. Ethanol
 - c. Asbestos
 - d. Cadmium
6. Which of the following is a concern after a chemical spill?
 - a. Environmental release
 - b. Adequate engineering controls or PPE to protect staff during cleanup
 - c. Slip or Trip Hazard
 - d. All of the above
7. What wavelength is considered part of the visible spectrum?
 - a. 10 nm
 - b. 5000 nm
 - c. 200 nm
 - d. 500 nm

8. What is the purpose of the blank used in a colorimeter?
 - a. The blank zeroes the wavelength set on the colorimeter
 - b. The blank takes into account light being absorbed by the solvent and by the walls of the sample cell or cuvette
 - c. The blank has 0% transmittance and is used to account for background scattering of light
 - d. The blank ensures that your glassware is not contaminated with the target analyte
9. Which type of bacteria does USDA require to be monitored in enclosures with marine mammals?
 - a. Enterics
 - b. E. coli
 - c. Coliforms
 - d. Vibrio
10. What should be added to a sample bottle collected from a chlorinated mammal pool for coliform testing?
 - a. Sodium bicarbonate buffer
 - b. Sodium citrate
 - c. Sodium hypochlorite
 - d. Sodium thiosulfate
11. Which of the following buffer combinations is correct?
 - a. pH 4 = yellow, pH 7 = pink, pH 10 = blue
 - b. pH 4 = pink, pH 7 = yellow, pH 10 = blue
 - c. pH 4 = pink, pH 7 = yellow, pH 10 = green
 - d. pH 4 = purple, pH 7 = pink, pH 10 = green
12. Which of the following do not contribute to conductivity/salinity?
 - a. Sulfides
 - b. Chlorides
 - c. Oxygen
 - d. Carbonates
13. Which of the following is not a possible side effect from copper concentrations above therapeutic levels?
 - a. Suppression of immune system
 - b. Mortality in certain species
 - c. Bubble Trauma
 - d. Damage to gills

14. Which of the following is not a byproduct of chlorine disinfection?
- Chloroform
 - Sodium hypochlorite
 - Trihalomethane compounds
 - Haloacetic acids
15. What is the best definition of alkalinity?
- The measurement of the amount of metals in water
 - The measurement of the pH buffering capacity in water
 - The measurement of the amount of cations in water
 - Any liquid with a pH greater than 7
16. Where should flammable liquids be stored?
- In a fume hood
 - In a locked cabinet
 - In an approved flammable liquid storage cabinet
 - In the bed of a pickup truck
17. Which statement is false regarding the use of laboratory chemical hoods for ventilation in a laboratory setting?
- It is okay to put your head into a hood while in operation to check on an experiment
 - Always learn how the hood operates prior to use
 - Keep reactions and hazardous chemicals at least 6 inches behind the sash, farther if possible
 - Keep the chemical hood clean and clear
18. According to ANSI standards, how long must a safety eyewash run with continuous flow?
- 5 minutes
 - 10 minutes
 - 20 Minutes
 - 15 minutes
19. If you increase the temperature of the water in an aquarium, you _____ its ability to hold dissolved oxygen (DO).
- water temperature has no effect on DO
 - decrease
 - stabilize
 - increase



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20. Salinity is commonly measured using which unit?
- ppt
 - CFU
 - NTU
 - mg/L
21. A solution with a pH of 7 is considered to be:
- Acidic
 - Basic
 - Neutral
 - Strongly Acidic
22. Nitrate in a water system is a product of:
- Denitrification
 - Low water temperature combined with high ORP
 - Dissolved minerals in the water
 - Biological filtration
23. A rectangular pool is 5 yards long, 10 feet wide and 4 foot 9 inches deep. How many gallons will it hold when full?
- 5497.8 gallons
 - 5329.5 gallons
 - 6283.2 gallons
 - 1776.5 gallons
24. SDS is short for:
- Simple Dissolved Substance
 - Safety Data Sheet
 - Safest Defensive Strategy
 - Safe Data Set
25. List, in order of nitrification, the major compounds associated with the nitrogen cycle as it pertains to aquatic system health.
- Nitrate, Nitrite, Ammonia
 - Nitrite, Nitrate, Ammonia
 - Ammonia, Nitrite, Nitrate
 - Ammonia, Nitrate, Nitrite