



Certification Boulevard

Test Your Knowledge of Water Supply Topics

1. What is the velocity in cubic feet per minute (cfm) of a 1 mgd stream of water?
 - a. 1.55 cfm
 - b. 8.34 cfm
 - c. 7.48 cfm
 - d. 92.84 cfm

2. If the discharge head on an electrically driven vertical turbine pump increases, what does the motor current do?
 - a. It remains the same
 - b. It goes up
 - c. It goes down
 - d. It will oscillate

3. When pumping water from a well to a treatment process, the Total Dynamic Head is the sum of four (4) components, list these components:
 - a.
 - b.
 - c.
 - d.

4. Which repair kit is designed for use with 150-pound chlorine cylinders?
 - a. "A" kit
 - b. "B" kit
 - c. "C" kit
 - d. None of the above

5. What units are used to measure Ultraviolet dosage?
 - a. millirems/volt
 - b. mg/l
 - c. lumens
 - d. mJ/cm^2

6. Given the following data, calculate the approximate horsepower delivered by this pump:
 - Flow is 3,500 gpm
 - TDH is 175 feet
 - Does not consider pump and motor efficiency
 - a. 20 HP
 - b. 18 HP
 - c. 175 HP
 - d. 155 HP

7. What will a pressure gauge read located on the suction of a pump if the pump is at floor elevation of the tank and the tank has 30 feet of static water level?
- About 69 psi
 - About 9.5 psi
 - About 13 psi
 - About 17 psi
8. Water with high alkalinity must also have:
- High pH
 - Low pH
 - Neutral pH
 - None of the above
9. If a gallon of water weighs 8.34 lbs, and a cubic foot of water holds 7.48 gallons ... how much does a cubic foot of water weigh?
- 92.4 lbs
 - 89.6 lbs
 - 62.4 lbs
 - 3.14 lbs
10. A potable water flow meter reads 83 gpm for 13 hrs/day and 47 gpm for the remaining 11 hrs/day. What is the total daily flow in mgd?
- 0.64740 mgd
 - 0.09576 mgd
 - 0.03102 mgd
 - 0.1870 mgd

Please forward your comments and sample questions for publication to:

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