

# Operator Quiz Test No. 116 – Definitions

The following questions\* are designed for trainees as they prepare to take the ABC wastewater operator test. It is also designed for existing operators to test their knowledge. Each issue of *Clear Waters* will have more questions from a different section of wastewater treatment. Good luck!

1. A term used to describe the difference between the actual value and the set point is known as:
  - a. Drift
  - b. Broke
  - c. Sway
  - d. Process variable
2. A physical or chemical quantity that is usually measured and controlled in the operation of a treatment plant is called a:
  - a. Process statistic
  - b. Process variable
  - c. Process limit
  - d. Process condition
3. To remove a gas or vapor from a vessel or confined space via displacement or dilution:
  - a. Vent
  - b. Seal
  - c. Aerate
  - d. Purge
4. A straight pin that will break when a certain load or stress is exceeded is called a:
  - a. Shear pin
  - b. Break pin
  - c. Fail pin
  - d. Wooded pin
5. The continuously variable signal type sent to an analog instrument, 4-20 mA for example, is called:
  - a. Digital signal
  - b. Analog signal
  - c. Variable signal
  - d. Steady signal
6. The amount of heat required to raise the temperature of one gram of water one degree Celsius is:
  - a. Carb
  - b. Calorie
  - c. Thermodynamic
  - d. Heat transfer
7. A chemical that causes very fine particles to clump together into larger particles is known as a:
  - a. Settling agent
  - b. Emulsifier
  - c. Coagulant
  - d. Colloid
8. The spiral-shaped casing that surrounds a pump, blower or turbine impeller and collects the liquid or gas discharged by the impeller is called the:
  - a. Conical housing
  - b. Snail shell
  - c. Volute
  - d. Solenoid
9. A digester sampling well that allows sampling of the digester contents without venting digester gas is called a:
  - a. Sludge tube
  - b. Thief hole
  - c. Flame arrestor
  - d. Manometer
10. A flat board or plate placed in flowing water to cause more uniform flow velocities is called a:
  - a. Baffle
  - b. Weir
  - c. Wall
  - d. Sluice gate
11. A publication of the U.S. government that contains all of the proposed and finalized federal regulations, including safety and environmental regulations is:
  - a. EPA
  - b. NPR
  - c. CFR
  - d. DEC

\*Questions compiled using Operation of Wastewater Treatment Plants Vol II 7th ed. 2007

*For those who have questions concerning operator certification requirements and scheduling, please contact Tanya May Jennings at 315-422-7811 ext. 4, [tmj@nywea.org](mailto:tmj@nywea.org), or visit [www.nywea.org/OpCert](http://www.nywea.org/OpCert).*