Operator Quiz Corner

	Calibration of Liquid Chemical Feed Pumps
1.	True of false? A centrifugal pump curve and a peristaltic pump curve are similar. a. True b. False
2.	 What should an operator do prior to running the pump for calibration? a. Make sure the liquid chemical is properly diluted b. Weigh the full calibration column to ensure accuracy c. Isolate the pump from the system d. All of the above
3.	 When an operator notices a reduction in ml/min during the next calibration it is likely due to a. Disruption in the DC current power supply b. Worn pump parts c. Temperature change of the supply water d. Inaccurate calibration column
4.	Replacement of pump is a common maintenance procedure for a. Tubing, a peristaltic pump b. Diaphragm, a peristaltic pump c. Spring, a peristaltic pump d. Spring, a diaphragm pump
5.	If a calibration check show that a liquid diaphragm metering pump is pumping 70 ml/min of 50% sodium hydroxide calculate how many gallons are being injected in a 24 hour period. a. 3 b. 20 c. 27 d. 1680
(70 =	lution: 0 ml/min) X (1L/1000ml) X (1 gal/3.785L) X (60 min/hr) X (24hr/day) 100,800 / 3785 26.63 gallons