

# Water Quality Vocabulary

(as found in LaMotte & Hach Kit testing instructions)

## Dissolved Oxygen Vocabulary

**Depress** - To press down; cause to sink to a lower position.

**End Point** - The point in a titration at which no more titrant should be added; the point at which an indicator changes color and titration has stopped.

**Invert** - To turn upside down or inside out.

**Pipette** - A slender and often narrow tube used for sucking up liquid for transfer.

**Precipitate** - To form an insoluble compound; an insoluble solid that emerges from a liquid solution. If a liquid precipitates, substances in it become solid and separate from the liquid.

**Precipitation** - Happens when a chemical reaction takes place in the formation of a solid in a solution.

**Reagent** - A reacting chemical; a substance taking part in a chemical reaction.

**Titration** - An instrument used to perform titration.

**Titration** - A method of calculating the concentration of a dissolved substance in a known volume of test solution by adding measured quantities of a reagent of known concentration until reaction occurs.

## pH Vocabulary

**Blank** - Sample to be compared to the one to which a chemical has been added.

**Wide Range** - The extent to which or limits between which variation is possible.

**Color Comparator** - An instrument that allows for the comparison of color to show likeness or differences.

**Swirl** - To mix up, spin.

## Fecal Coliform Vocabulary

**Ampule** - A small sealed vial.

**Autoclave** - Equipment used in laboratories to assure that glassware is sterilized. Autoclaves can reach higher temperatures than boiling water, and can kill not only bacteria but also bacterial spores which tend to be resistant.

**Colonies** - A group of the same kind of animals, plants, or one-celled organisms living or growing together.

**Condensation** - The change of a gas or vapor into a liquid.

**Distilled Water** - A type of purified water that is free of extra molecules and particulates.

**Grab Bottle** - Sterilized bottle to be used for sampling.

**Incubator** - Device used to maintain temperature.

**Invert** - To turn upside down or inside out.

**Nutrient Broth** - Growth media (liquid nutrients) for microorganisms.

### **Temperature Vocabulary**

**Celsius** - Also known as centigrade, is the universal scale and unit of measurement for temperature. To convert from Celsius to Fahrenheit:  $C \times 9/5 + 32 = \text{Fahrenheit}$ ; From Fahrenheit to Celsius:  $\text{Fahrenheit} - 32 \times 5/9 = \text{Celsius}$

### **Turbidity Vocabulary**

**Increments** - Something added or gained

**Particles** - A small quantity of solid or liquid matter

**Reagent** - A compound or mixture added to a system to cause a chemical reaction or test if a reaction occurs.

**Solution** - A homogeneous mixture of one or more substances (solutes) dispersed molecularly in a sufficient quantity of dissolving medium (solvent).

**Turbid** - Thick or opaque as if with roiled sediment

### **Nitrates Vocabulary**

**Convert** - To change (something) into another form, substance, state, or product; transform

**Disintegrate** - To become reduced to components, fragments, or particles.

**Hazardous** - Involving great risk