

BASIC WATER CHEMISTRY MODULE

CONTENTS



- Mini-Box (extra Glassware)
 - __ 4 plastic measuring tubes (not test tubes) __ 4 square mixing bottles
 - __ 8 test tubes with caps __ 4 Dissolved Oxygen Bottles __ 3 eye droppers (1 mL)
 - 2 Low Cost Water Monitoring Kits (white cylinders) & directions
 - Bag of Potting Soil
 - Cadmium Waste Container for Nitrates Test Kit
 - Box with 9 thermometers
 - Interactive pH Scale Poster (rolled up)
 - Bag with Interactive pH Scale Poster materials
 - 10 plastic bottles of various liquids (STOCK containers)
 - __ lemon juice __ lemonade __ bleach __ ammonia __ cider vinegar __ clear vinegar
 - __ distilled water __ 2 spring water __ Seltzer water
 - Box of baking soda
 - Bag of Roloids and other acid relief products
 - Lemonade drink mix packets
 - Instant coffee packets
 - Sheet of labels with various names of liquids printed on them
 - Stack of plastic cups (approx. 35) some labeled
 - 2 pH paper rolls
 - 2 funnels (one larger and one smaller)
 - Clear Wrap (Plastic Wrap)
 - Ferrous Iron Test Kit (Hach) – blue case
 - Hardness Test Kit (Hach) – blue case
 - pH (Wide Range) Test Kit (Hach) – blue case
 - 6 square plastic containers (1 pint size)
 - 3 square plastic containers (2 pint size)
 - 9 blue plastic lids that fit the containers (holes in center)
 - 1 set plastic measuring cup and measuring spoons
 - Secchi Disk and Calibrated Rope and Wrap
 - Bailer (with rope wrap)
 - 2 Distilled Water squeeze Bottles
 - 4 empty water sampling bottles (250mL)
 - More plastic cups
 - 3 *Handbook of Water Quality Analysis for W. PA Waterways* – Creek Connections
 - 1 *Field Manual for Water Quality Monitoring* (by Mitchell and Stapp)
 - 1 *The Monitor's Handbook* (by LaMotte)
 - Water Chemistry Bingo – Large Envelope with Game Pieces / Boards inside
 - Turbidity Tube (large plastic tube)

 - ACTIVITY ENVELOPES:
 - Temperature: Air vs. Water vs. More Water*
 - pH People*
 - pH Test #4 Acidic Snow Melt*
 - pH Test #5 pH Affects Living Things*
 - Parts per Million*
 - Nutrients: Nutrition or Nuisance*
 - Nitrates in Our Water*
 - Turbid Vision*
 - Measuring Turbidity with Filters*
 - A Soily N & P*
 - Plants, Fish & pH*
- (for contents of Activity Envelopes – see each envelope)