

Water Unit: Part II Objectives Checklist

My action plan to help me improve my learning includes:

- ✘ Use this checklist as your personal guide to assess your level of readiness for quizzes and the unit test.
- ✘ Circle the descriptor that best describes how you feel about your mastery of each objective.
- ✘ NOTE: IF IT IS NOT A ☺, YOU PROBABLY ARE NOT READY FOR THE QUIZ/TEST!!!!

☺ = I get it ? = I need more practice/review ! = I need to get help

I feel confident that I... (An asterisk indicates an overarching theme from a past unit!)

During Unit Before Test

☺	?	!		☺	?	!	1. Can define, recognize and understand solutions, including unsaturated, saturated and supersaturated
☺	?	!		☺	?	!	2. Can use a solubility curve to determine and/or calculate the solubility of an ionic compound
☺	?	!		☺	?	!	3. Understand the effect of temperature on the solubility of ionic compounds
☺	?	!		☺	?	!	4. Understand how an ionic compound dissolves
☺	?	!		☺	?	!	5. Can recognize the difference between an ionic and covalent substance based on formula
☺	?	!		☺	?	!	6. Understand the solubility of gases and how it differs from solubility of ionic solids
☺	?	!		☺	?	!	7. Understand the statement "like dissolves like"
☺	?	!		☺	?	!	8. Can recognize the difference between ionic (pretty strong/super strong) and covalent substances based on lab data
☺	?	!		☺	?	!	9. Can recognize the difference between polar covalent and non-polar covalent substances based on structural formula and lab data.
☺	?	!		☺	?	!	10. Understand the problems that heavy metals and acids might cause if they are found in a water supply
☺	?	!		☺	?	!	11. Can distinguish between an acid, base and neutral substance by formula, pH and litmus paper testing
☺	?	!		☺	?	!	12. Can properly name/write the formula for ionic compounds
☺	?	!		☺	?	!	13. Understand what molarity is and know how to do molarity calculations
☺	?	!		☺	?	!	14. Can calculate the molarity or volume of an unknown acid or base using data from a titration

- ✘ What study skills did you USE to move from ? or ! to ☺ while studying for the test.

I have carefully self-assessed my work during this unit and have taken steps to get my questions answered before the quiz/test.

Student Signature: _____

Parent Signature: _____

Date: _____