

Petroleum Part I Objectives Checklist

My action plan to help me improve my learning includes:

Review labs, notes, packet and activities. Use the calendar to make sure everything is reviewed.	Ask and answer questions during class.
Have a family member or friend quiz me orally.	Start studying early! (Not just the night before the test.)
Meet with my teacher in the morning/afterschool for extra help.	Re-read or review all assigned sections from the book.
Use the magic calculator online to check your calculation answers to appropriate labs.	Do online practice quizzes available through class website or through internet.
Complete and review homework problems by reworking them and NOT just looking at them.	Find a study buddy from Chemistry who understands the material and I can work well with.
Use Objective Checklist throughout unit to assess understanding	Use Objective Checklist as a study guide

- ✘ 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

During Unit Before Test (*An asterisk indicates an overarching theme from a past unit!*)

I feel confident that I...

😊	?	!	😊	?	!	
						1. ... can explain what petroleum is
						2. ... can identify how the United States uses petroleum and what percentage of oil is used for each purpose
						3. ... can identify which regions of the world have the most oil and which regions use the most oil; conversely which regions have the least amount of oil and which regions use the least amount of oil.
						4. ... can explain fractional distillation of petroleum
						5. ... can define intermolecular force of attraction, density, viscosity, and boiling point
						6. ... can understand how the following relate: intermolecular forces of attraction, size of the molecule, boiling point, evaporation rate, viscosity, density, position in refining tower.
						7. ... can calculate density of a liquid or solid from given information or lab data
						8. ... can determine the number of valence electrons for an atom/ion as well as the most likely charge an atom will become as an ion. (REVIEW!)
						9. ... can determine if a compound has ionic bonds or covalent bonds based on the formula (REVIEW!)
						10. ... can name and write formulas for molecular substances
						11. ... can name and write formulas for ionic substances. (REVIEW!)
						12. ... can define covalent bond, double covalent bond and triple covalent bond.

☺	?	!		☺	?	!	13. ... know the difference between a molecular formula and a structural formula
☺	?	!		☺	?	!	14. ... can determine how many bonds an element can form.
☺	?	!		☺	?	!	15. ... can draw electron dot structures for molecular compounds.
☺	?	!		☺	?	!	16. ...know the general formula for an alkane, alkene, and an alkyne
☺	?	!		☺	?	!	17. ... can name and write both the molecular formula and the structural formulas for the first 10 alkanes
☺	?	!		☺	?	!	18. ... can relate relative boiling point of a hydrocarbon to the amount of branching it has
							19. ... can define isomers and can identify and draw isomers of alkanes/alkenes

✘ Check off the study skills you USED 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: _____