

Petroleum Part 2: 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

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

I feel confident that I...

☺	?	!		☺	?	!	1. ... can state and understand the law of conservation of energy; and, energy efficiency.
☺	?	!		☺	?	!	2. ... can define and distinguish between heat and temperature.
☺	?	!		☺	?	!	3. ... can define and understand specific heat capacity. Know water's specific heat capacity, including units.
☺	?	!		☺	?	!	4. ... can a) can perform simple calorimetry calculations (in a written problem or using lab data) using $q = mC\Delta T$ b) can perform complex calorimetry calculations (in a written problem or using lab data) using the calorimetry equation $q = mC\Delta T$ to solve for heat capacity
☺	?	!		☺	?	!	5. ... understand why petroleum releases energy.
☺	?	!		☺	?	!	6. ... understand endothermic and exothermic processes as bond making and bond breaking in a chemical reaction.
☺	?	!		☺	?	!	7. ... can draw and interpret energy diagrams for endothermic and exothermic reactions labeling all parts.
☺	?	!		☺	?	!	8. ... can write a complete balanced thermochemical equation for the combustion of a hydrocarbon.
☺	?	!		☺	?	!	9. ... can define and perform calculations using Heat of Combustion and Molar Heat of Combustion.
☺	?	!		☺	?	!	10. ... can calculate Heat of Combustion or Molar Heat of Combustion from given lab data.

- ✘ 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: _____