

Name _____ Hr _____

Unit 2: Alternative Fuels

Essential Questions:

1. How is science a human endeavor?
2. How do scientists work to gather, analyze, communicate and validate data to form and change models?
3. How does the structure of a compound or molecule determine its properties?
4. How does matter undergo changes and how do we describe chemical changes in equations?
5. How do matter and energy interact?

October/November				
LO Time = Learning Opportunity Work time				
Monday (50 minutes)	Tuesday	Wednesday (100 minutes)	Thursday	Friday (100 minutes)
13 No School	14	15 Bonding Video 2.1 LO Time	16	17 2.1 LO Time 2.1 Quiz
20	21	22 2.2 Lab 2.2 Discuss	23	24 2.2 LO time 2.2 Quiz
27 2.3 Lab 2.3 Discuss	28	29 2.3 LO time 2.3 Quiz	30 No School	31 No School
3 2.4 Lab 2.3 Discuss	4	5 2.4 LO Time 2.4 Quiz	6	7 2.5 Discuss 2.5 LO time
10 No School	11	12 2.5 Lab 2.5 Quiz	13	14 Review Chapter 2
17 Chapter 2 test	18	19 Final Project	20	21 Final Project
24 Final Project	25	26 No School	27 No School	28 No School

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Remember: There will be a total possible score for “Learning Opportunities” of 30 in the gradebook. You need to complete work up to 30 points from that category.

PH Text is the Prentice Hall text (hardbound book)

PSYNTK is the Physical Science You Need to Know text that has been copied one chapter at a time for you.

Section	Learning Goals	Learning Opportunities (each worth 10 points)	Required Activities
2.1	<ul style="list-style-type: none"> What are bonds and what types of bonds are there? 	<ul style="list-style-type: none"> PH text: Reading Guide 6.1 & 6.2 PH text: End of section questions for 6.1 & 6.2 PSYNTK text: Reading Guide 2.1 PSYNTK text: Thinking about 2.1 questions Use the LINCS worksheet with vocab words in PSYNTK 1.1 	<ul style="list-style-type: none"> Bonding Video Section Quiz
2.2	<ul style="list-style-type: none"> Writing and naming chemicals 	<ul style="list-style-type: none"> Take notes during class discussion PH text: Reading guide 6.3 PH text: End of section questions 6.3 PSYNTK text: Reading Guide 2.2 PSYNTK text: Thinking about 2.2 questions Writing/Naming compounds worksheet 	<ul style="list-style-type: none"> Lab 2.2—Chemical Compounds Class discussion Section Quiz
2.3	<ul style="list-style-type: none"> What are chemical reactions? 	<ul style="list-style-type: none"> Take notes during class discussion PH text: Reading guide 7.2 PH text: End of section questions sections 7.2 PSYNTK text: Reading Guide 2.3 PSYNTK text: Thinking about 2.3 questions Use the LINCS worksheet with vocab words in PSYNTK 1.3 	<ul style="list-style-type: none"> Class discussion Lab 2.3—Chemical Reactions Section quiz
2.4	<ul style="list-style-type: none"> How do we write chemical equations? 	<ul style="list-style-type: none"> Take notes during class discussion PH text: Reading guides 7.1 PH text: End of section questions 7.1 PSYNTK text: Reading Guide 2.4 PSYNTK text: End of section questions 2.4 	<ul style="list-style-type: none"> Lab 2.4—Chemical Equations Participate in class discussion Section Quiz

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2.5	<ul style="list-style-type: none">• What role does energy play in a reaction?	<ul style="list-style-type: none">🍏 Take notes during class discussion🍏 PH text: Reading guides 7.3🍏 PH text: End of section questions 7.3🍏 PSYNTK text: Reading Guide 2.4🍏 PSYNTK text: End of section questions 2.4🍏 LINKS worksheet for PSYNTK 2.4	<ul style="list-style-type: none">🍏 Participate in class discussion🍏 Lab 2.4🍏 Section Quiz
Rev 2	<ul style="list-style-type: none">• Review		<ul style="list-style-type: none">🍏 PSYNTK text: Chapter 2 Review
Assessment	<ul style="list-style-type: none">• Show your understanding of the chapter		<ul style="list-style-type: none">🍏 Chapter 2 test🍏 Chapter 2 final project