

Chapter 6 Learning Log: Chemical Reactions Occur in Predictable Ways

Use the following concept log as an active learning tool. You will use this log to understand what you have already learned, determine what you have yet to learn, and decide how you can best improve your achievement.

I CAN DO THE FOLLOWING:	EVIDENCE	
<p>1) identify, give evidence for, predict products of, and classify the following types of chemical reactions:</p> <ul style="list-style-type: none"> • synthesis (combination) • decomposition • single and double replacement • neutralization (acid-base) • combustion 	<p>Pages 258-270</p> <p><u>Synthesis (combination):</u> P.Q. 1-2, pg.259</p> <p><u>Decomposition:</u> P.Q. 1-2, pg.260</p> <p><u>Single replacement:</u> P.Q. 1-2, pg.261</p> <p><u>Double replacement:</u> P.Q. 1-2, pg. 262</p> <p><u>Neutralization (acid-base):</u> P.Q. 1 - 2, pg. 263</p> <p><u>Combustion:</u> P.Q. 1-2, pg. 264</p> <p><u>Summary:</u> P.Q. 1 -7, pg 265</p> <p><u>Challenge:</u> Q. 4 -5, pg. 271, Q 3, pg. 282</p>	<p>Quiz</p>
<p>2) explain how factors such as temperature, concentration, presence of a catalyst, and surface area can affect the rate of chemical reactions</p>	<p>Pages 274-280</p> <p><u>Temperature:</u> Q 1-4, pg. 274</p> <p><u>Concentration & Surface Area:</u> Q 1-4, pg. 276</p> <p><u>Catalyst:</u> Q 3,8, 13, pg. 233 Q 4, pg. 283</p>	<p>/19</p>
<p>TOTAL:</p>		<p>/19</p>

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CHAPTER 6 VOCABULARY WORDS:
CHEMICAL REACTIONS OCCUR IN PREDICTABLE WAYS

1. Synthesis (Combination)
2. Decomposition
3. Single replacement
4. Double replacement
5. Precipitate
6. Neutralization
7. Combustion
8. Rate of reaction
9. Concentration
10. Surface area
11. Catalyst
12. Catalytic converter