

Chemistry Lesson Plan

Topic	Reaction Rates
Lesson Title	Measuring Reaction Rates
Lesson Number	6-3 a
Next Generation Science Standards:	<ul style="list-style-type: none"> • HS-PS1-4. Develop a model to illustrate that the release or absorption of energy from a chemical reaction system depends upon the changes in total bond energy. • HS-PS1-5. Apply scientific principles and evidence to provide an explanation about the effects of changing the temperature or concentration of the reacting particles on the rate at which a reaction occurs. • HS-PS1-6. Refine the design of a chemical system by specifying a change in conditions that would produce increased amounts of products at equilibrium.
Learning objectives:	<ul style="list-style-type: none"> • Write a plan to measure the reaction rate
"I can" statement:	<ul style="list-style-type: none"> • I can appropriately plan an investigation into factors which affect the rate of a chemical reaction
Prior Knowledge:	
<ul style="list-style-type: none"> • Reaction rates • Factors that affect reaction rates 	
Vocabulary:	
Controlled variable, Dependent variable, Independent variable, Gas syringe, precipitate,	
Summary of Activities:	
<ol style="list-style-type: none"> 1. Distribute and complete bell ringer activity. 2. Discuss guided notes and slideshow, with students. 3. Complete Doodle Notes activity 4. Exit quiz 	
Additional Resources:	
<ul style="list-style-type: none"> • Measuring reaction rates – YouTube Clips 	
Homework:	
Homework task	
Assessment:	
<ul style="list-style-type: none"> • Bell work • Assignment/Lab project • Exit quiz • End of unit review 	