

Angeles City Science High School
Science 10





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Section: 10-Hawking

Activity 3: Would you Choose X or Y?

Objectives: Determine higher reaction rates and the factor that affects chemical reaction.

Directions: Identify which situation (X or Y) would have a higher reaction rate. Then state the factor that affected the rate of reaction (concentration, surface area, catalyst, temperature).

Solution X	Solution Y	Solution with a higher reaction rate (X or Y)	Factor affecting Rate of Reaction
Sugar Grains 	Sugar Cubes 	Y	Concentration
		X	Temperature
Low number of particles 	High number of particles 	Y	Concentration

No enzyme added	Enzyme added	X	Catalyst
			
logs	Twigs	X	Surface area
