

Chemistry > Big idea CCR: Chemical reactions > Topic CCR6: Rates of reaction

Key concept (age 14-16)

CCR6.1: Instantaneous rate

Progression toolkit: Instantaneous rate

Learning focus	The instantaneous rate of reaction changes during a chemical reaction and is a measure of the amount of product formed per unit time.				
As students' conceptual understanding progresses they can:	CONCEPTUAL PROGRESSION				
	Identify observational evidence of the formation of a new product with new properties. P	Distinguish rate from time.	Distinguish average rate from instantaneous rate of reaction.	Describe how the instantaneous rate of reaction changes over time during a chemical reaction.	Interpret graphical representations of the change in instantaneous rate of reaction during a chemical reaction.
Diagnostic questions	New products	Rate of reaction	One rate?	Rate descriptions	Interpreting graphs
Response activities	Interpreting equations	Everyday rates	Which rate?	Graph story	

Key:

P Prior understanding from earlier stages of learning

