



ASSIST

AUSTRALIAN SCHOOL SCIENCE
INFORMATION SUPPORT FOR
TEACHERS AND TECHNICIANS

Published on ASSIST (<https://assist.asta.edu.au>)

[Home](#) > Rates of reaction: Collision Theory Simulation

Rates of reaction: Collision Theory Simulation

Posted by [sat](#) on Wed, 2014-07-23 12:30

This online resource demonstrates the collision theory of chemical reactions.

The resource is a web-based java application that allows students to model the effects of temperature on the rate of collisions in a closed system to see how this affects chemical reaction rates.

Users can alter the number of particles in their model and change the temperature of the reaction, and by observing the simulation they can see how the number of collisions are affected.

See the Additional Information section about how to access the resource.

Australian Curriculum v9 Codes: AC9S10U07 (Year 10)

Tags:

[chemical reactions](#)

[reaction](#)

[rates](#)

[chemical change](#)

[particle model](#)

External Link:

[Rates of reaction: Collision Theory Simulation](#)

Source Category:

[Educational](#)

[Collision Theory Simulation](#)



No votes yet

Publication Date:

January, 2011

Reaction rates

Source URL: <https://assist.asta.edu.au/resource/2341/rates-reaction-collision-theory-simulation?page=1>