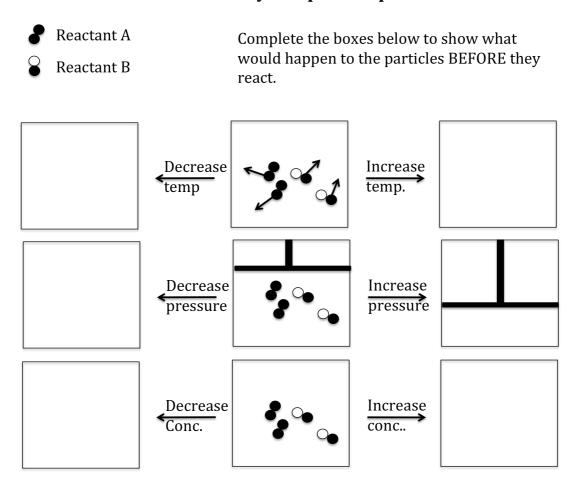
Topic	Collision theory	Level	GCSE
Outcomes	1. To draw particle pictures to explain why changing the temperature, pressure and concentration will change the rate of a reaction.		

Collision theory and particle pictures



Using your understanding of rates of reaction can you explain the following?

- 1. Why does increasing the temperature of a reaction increases the rate of reaction?
- 2. Why does adding a catalyst increase the rate of reaction?
- 3. Why does increasing the concentration of a reactant increases the rate of a reaction?
- 4. Why does hitting your hand on the desk does not result in a reaction, despite particles colliding?

Progress: have a look at other activities that get students to understand rates of reaction

http://www.thescienceteacher.co.uk/rates-of-reaction/

www.thescienceteacher.co.uk | resources for science teachers who like to think