

Le Châtelier's Principle

Explain how the following changes in reaction conditions will affect the position of the equilibrium below, and explain your reasoning.



- 1) The pressure of A in the reaction chamber is increased.

- 2) The temperature of the reaction is increased by 20⁰ C.

- 3) A catalyst is added to the system.

- 4) As the reaction progresses, more of compound B is steadily added to the reaction chamber.

- 5) An inhibitor is added to the reaction chamber.

- 6) Argon gas is added to the reaction chamber, doubling the pressure.