

18 Zinc reacts with dilute hydrochloric acid.

Which statement about the particles in the reaction is correct?

- A** Increasing the concentration of dilute hydrochloric acid increases the collision rate but has **no** effect on the activation energy.
- B** Increasing the concentration of dilute hydrochloric acid increases the collision rate and the activation energy.
- C** Increasing the temperature of the reaction increases the activation energy.
- D** Increasing the temperature of the reaction causes all collisions to lead to a reaction.