Reaction Rate Worksheet

1. Two molecules collide with one another but no reaction occurs. Give two possible reasons why there was no reaction between the molecules.

2. How could you increase the speed of particles in a solution of NaCl?

3 Draw an energy diagram for an uncatalyzed exothermic reaction and a catalyzed exothermic reaction side by side. What is different about these two?

Reaction Rate Worksheet

1. Two molecules collide with one another but no reaction occurs. Give two possible reasons why there was no reaction between the molecules.

2. How could you increase the speed of particles in a solution of NaCl?

3 Draw an energy diagram for an uncatalyzed exothermic reaction and a catalyzed exothermic reaction side by side. What is different about these two?

4. Predict whether the following examples would increase or decrease the rate of reaction. After predicting explain your prediction in terms of the collision theory.

a. Adding a catalyst-

b. Lowering the temperature of reactants –

c. Increasing the surface area of a solid reactant –

d. Decreasing the concentration of a reactant -

4. Predict whether the following examples would increase or decrease the rate of reaction. After predicting explain your prediction in terms of the collision theory.

a. Adding a catalyst-

b. Lowering the temperature of reactants –

c. Increasing the surface area of a solid reactant –

d. Decreasing the concentration of a reactant -