

reaction rate:

- the change in _____ of the _____ per unit time
- speed at which _____ disappear and _____ appear

The study of reaction rates is called _____.

- ✓ In order for a reaction to occur, reacting _____ must _____ effectively.
- ✓ In an _____ collision, the _____ particles collide with the correct _____ and the proper amount of _____.

Factors Affecting Reaction Rates:

a. _____ of reactants-

- The _____ of the reactants, types of _____ involved, and state of _____ all affect reaction rates.

b. _____ of reactants-

- Increasing the concentration of reactants → more _____ collisions → increased _____ of reaction
- Increasing the _____ of the reactants (_____ only) → increases the _____ of reactants → increases _____.

c. _____ of reactants-

- increasing _____ of reactants → more _____
_____ → increased _____ of reaction.

d. _____ -

- a substance that _____ the rate of a reaction without being permanently _____
- increases the rate of a reaction by _____ the required amount of _____ to achieve _____ collisions

e. _____ area of reactants-

- increasing surface _____ → more _____
→ increased _____ of reaction.

The Chemistry Quiz

CR1.

CR2.

1.

2.

3.

4.

5.