

Lesson 169: Reaction Rates Notes

Chemistry with Lab

Reaction rate:

- the change in _____ of the _____ per unit of 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:

- _____ of reactants –
 - The _____ of the reactants, types of _____ involved, and state of _____ all affect reaction rates.
- _____ of reactants –
 - Increasing the concentration of reactants → more _____ collisions → increases _____ of reaction
 - Increasing the _____ of the reactants (_____ only) → increases the _____ → increases _____ → increases _____

Lesson 169: Reaction Rates Notes (cont.)

Chemistry with Lab

- _____ of reactants –
 - Increasing _____ of reactants → more _____
_____ → increased _____ of reaction.
- _____ -
 - A substance that _____ the rate of a reaction without being permanently _____
 - Increases the rate of reaction by _____ the required amount of _____ to achieve _____ collisions
- _____ area of reactants –
 - Increasing surface _____ → more _____
_____ → increases _____ of reaction.

The Chemistry Quiz

CR1. _____ CR2. _____ 1. _____ 2. _____ 3. _____

4. _____ 5. _____