

6.2 Factors Affecting the Rate of Chemical Reactions

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- The conversion of graphite into _____, both of which are made of pure carbon, happens faster when the graphite is compressed at high temperatures and pressures.
- A reaction that takes a long time has a low reaction _____.
- When you refrigerate food, you remove _____ and lower the rate of reactions that cause food to spoil.
- Heating causes the particles (atoms or molecules) of the reactants to move more quickly, resulting in more collisions and more _____.
- How much solute is dissolved in a solution.
- In a reaction, if there is a greater concentration of reactant atoms and molecules present, there is a greater chance that _____ among them will occur.
- Increasing the concentration of the reactants usually results in a _____ reaction rate.
- The measure of how much area of an object is exposed.
- Substances called _____ are used to slow down a chemical reaction.
- A substance that speeds up the rate of a chemical reaction without being used up in the reaction itself.
- Biological catalysts.
- Catalysts make it possible for reactions to occur with _____ energy than reactions would otherwise need to break old chemical bonds and form new ones.
- A catalytic _____ provides a large surface area for reactions to take place, and the surface is coated with a thin layer of metallic catalysts.
- Foods often spoil because they react with _____. Many methods of food preservation maintain product freshness by excluding it.
- An airbag works by converting sodium azide into sodium and _____ gas.