

6.2 Factors Affecting the Rate of Chemical Reactions

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T V B K F S S G V X Y D G S H R B E B O P N K G Y
Q W S Q G B M O R N H K N L I J A B A G X L I Y N
J J H T P O Q H R K X O S F G M Z G L I M R S K V
J K S O X Y G E N A I M U R H S H E M H A C B U J
W O D H G M V I Q S T W R I E C E N K L D O L D C
A V U O P T Z F I I J E F B R H A E C F I N H Q A
O E E R G T O L G M M H A O J B T R R N A C C L T
M N L H P J L G O W K P C Z R D Y G Y T M E X V A
M Z Y H I O B K H X J T E P H C W Y A U O N C E L
H Y G J C U T R R U N Z A J N X R T G W N T B C Y
Y M Y G S Q P L Q I D E R F I A X Q C Q D R Z B S
T E C O N V E R T E R L E S T X I S N U C A I I T
J S M X E J D T D U O X A X R K K L O A F T R O J
G Q P S G V N F Y K A U E I O Q L J K A W I U Z D
I I T V U T Y Y I P G T S Y G X G J T C N O J R X
D G H I N H I B I T O R S J E H T G I C F N X S D
F A D Z Q A B V T M B N W L N P H H I L E S S T I

1. 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.
2. A reaction that takes a long time has a low reaction _____.
3. When you refrigerate food, you remove _____ and lower the rate of reactions that cause food to spoil.
4. Heating causes the particles (atoms or molecules) of the reactants to move more quickly, resulting in more collisions and more _____.
5. How much solute is dissolved in a solution.
6. 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.
7. Increasing the concentration of the reactants usually results in a _____ reaction rate.
8. The measure of how much area of an object is exposed.
9. Substances called _____ are used to slow down a chemical reaction.
10. A substance that speeds up the rate of a chemical reaction without being used up in the reaction itself.
11. Biological catalysts.
12. Catalysts make it possible for reactions to occur with _____ energy than reactions would otherwise need to break old chemical bonds and form new ones.
13. A catalytic _____ provides a large surface area for reactions to take place, and the surface is coated with a thin layer of metallic catalysts.
14. Foods often spoil because they react with _____. Many methods of food preservation maintain product freshness by excluding it.
15. An airbag works by converting sodium azide into sodium and _____ gas.