

Kinetics - Chapter 17

I.

A. Chemical :

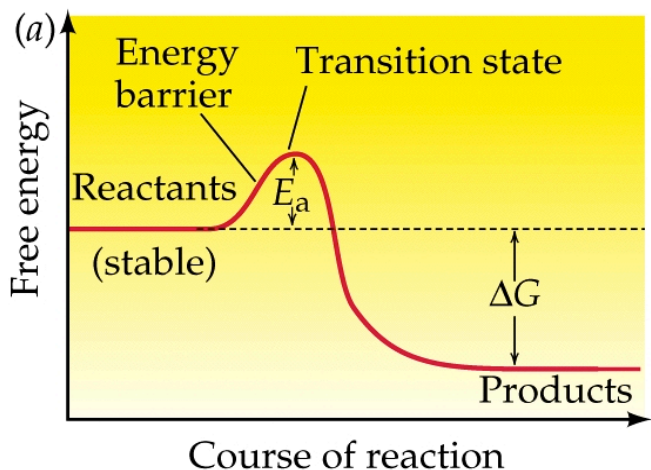
B. :

1. Over time, the _____ and the _____
2. Reaction rate varies with the type of reaction
 - a. combustion = _____
 - b. rusting = _____

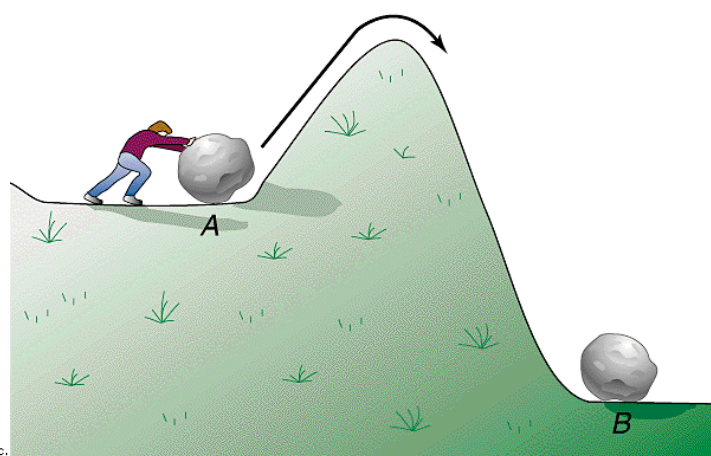
II. The Reaction Process

A. :

1. Theory states that reactants must _____ for a reaction to occur.
2. BUT,
3. In order for an _____ (creation of new products) to occur molecules _____ with:
 - a. _____ (known as _____).
 - b. the _____
4. The _____
5. The minimum amount of _____ is called _____



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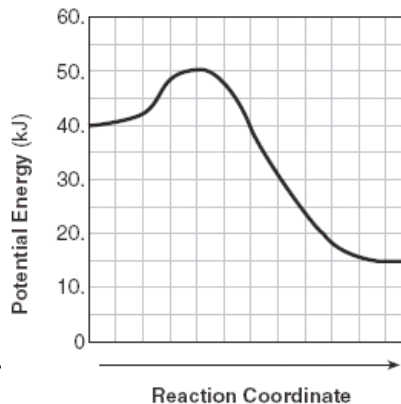
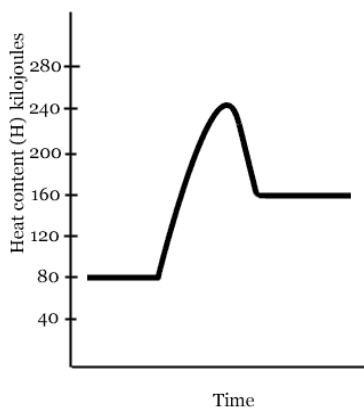


Is this an endothermic or exothermic reaction?

6. _____ : shows energy changes as a reaction proceeds.

- a. When the _____
- b. When the _____

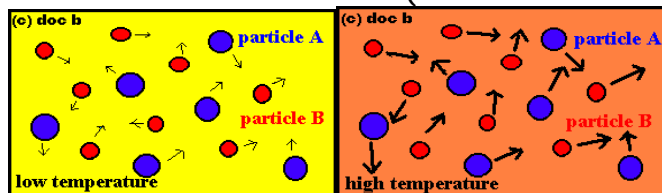
- c. The activation energy of any reaction is the _____



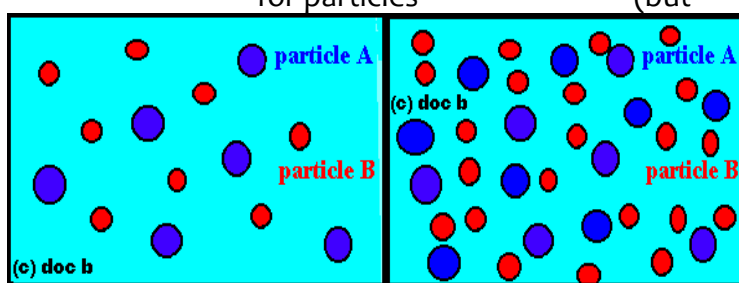
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III. Factors that Affect Reaction Rates

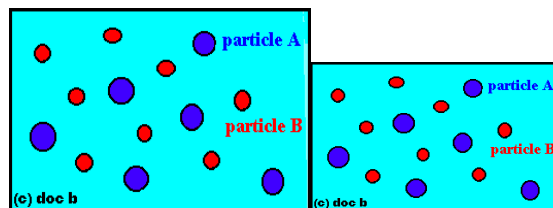
- A. : how complex and reactive the reactants are.
- B. :
1. as the
 2. This is due to an
 3. Moving = (two birds with one stone!)



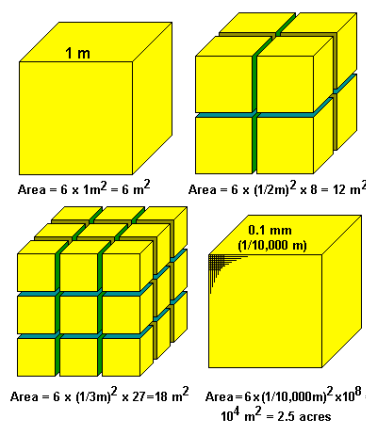
- C. :
1. as the
 2. = for particles (but)!



- D. :
1. Rate increases as the pressure of reactants increases.
 2. When pressure increases,
 3. If you = (again)!
 4. This is only true for



- E. :
1. An will
 2. =



- F. :
- 1.
 2. in the reaction
 3. Catalysts by
 4. In order to do this, the catalysts create a different pathway.
 5. are the body's catalysts!

