

Name: \_\_\_\_\_  
Blk: \_\_\_\_\_ Date: \_\_\_\_\_

**Chemistry 12**  
**REACTION KINETICS**  
Lesson #3 Factors Affecting Reaction Rates

**Demo of Alka Seltzer™ Tablets:**

1. Alka Seltzer in cold vs hot water:
2. Alka Seltzer in form of whole tablet vs crushed powder:

**FACTORS THAT AFFECT REACTION RATE:**

1. Temperature:
2. Concentration:
3. Pressure (another way to express concentration)
4. Nature of the REACTANTS (chemical properties NOT PHASES!!!)
5. Ability of REACTANTS to MEET (SURFACE AREA and PHASES)

**HOMOGENEOUS REACTION:**

**HETEROGENOUS REACTION:**

a. Surface area

b. Phase considerations

6. Catalysts and Inhibitors:

**CATALYST:**

**INHIBITOR:**

**Seatwork/Homework:** Exercises 10-17 in Hebden pgs 7-10

**PLO's:** A5- A7