

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