

Material for test three for spring 2008:

The test material will start from where we left off in chapter 14 leaving out Arrhenius equation. The catalysts will be covered but the enzymes will not be on the test.

Then sections 1 through 4 of chapter 21,

Chapter 15 fully

and where we reached on chapter 16 on Monday - which happens to be up to the end of section 2.

On the cover of the test I am giving the following information:

$$t_{half} = \frac{0.693}{k} \text{ for a first-order reaction}$$

$$R = 0.0821 \text{ L. atm / mol.K}$$

I

Integrated rate law for first order reaction:

$$\ln[A] = \ln[A]_0 - kt$$

$$\frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

$$K_p = K_c (RT)^{\Delta n}$$