

Fall 2023

10/1/2023

5. What are the states (phases) of matter and how do intermolecular forces affect their phase at a given temperature?
6. What is a solvent, and what general feature of the solvent determines the types of solutes that will dissolve?
7. What is the activation energy for reaction, and how does this energy influence the rate of a reaction?
8. What is the definition of an acid? A base?

3 Exams	300
Final Exam	100
Lab	100
Total	500

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The grades will not be curved and I reserve the ability to adjust grades upward. Individual effort

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This year we are using a classic text that is organized by sections and is based on current issues related to biomedicine. The first part is structure of matter and some chemical concepts. Other chapters are related to organic chemistry and biochemistry.

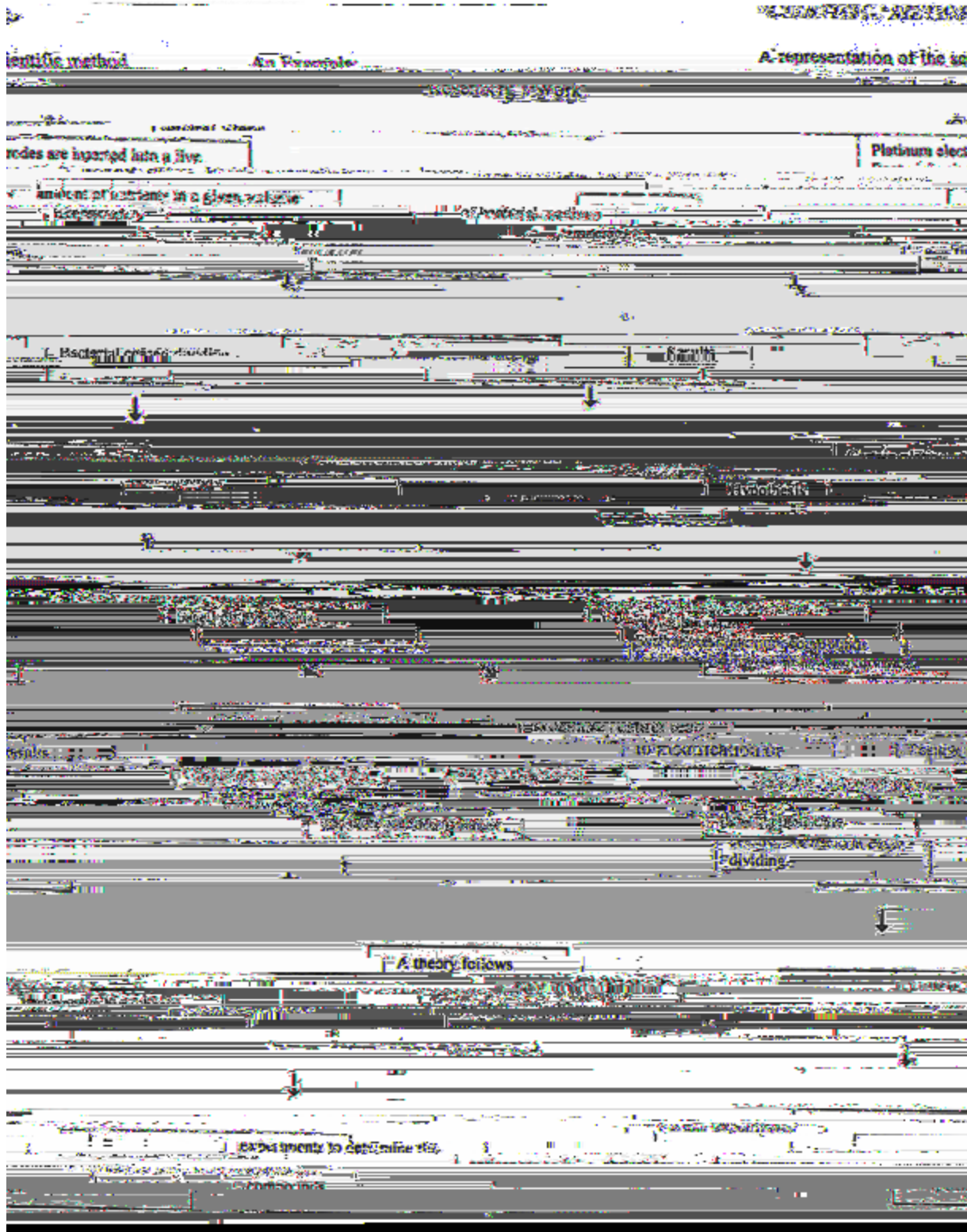
The Department of Chemistry & Biochemistry Policy of Cheating is: "Any student caught cheating will be assigned a course grade of F. The student's academic advisor will be notified of this failing grade and the student will not be allowed to drop the course." The Department considers performing unauthorized "dry labs" as cheating.

Partnering during the lab may be acceptable but lab reports must show your own calculations and ideas.

Schedule is subject to change

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Oct 23	Solutions - Ch 6 Water as a Solvent - Ch 6
Oct 30	Colligative Properties - Ch 6
Nov 6	Reaction Rates - Ch 7 Equilibrium - Ch 7
Nov 13	Acid and Bases - Ch 8
Nov 20	Ionization Constants - Ch 8
Nov 27 - No class Friday	Exam 3
Dec 4	pH Scales/Buffer - Ch 8 Radioactivity and Half-Life - Ch 9
Dec 11 - Finals Week	Final Exam



UAF embraces and grows a culture of respect, diversity, inclusion, and caring. Students at this university are protected against sexual harassment and

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discrimination (Title IX). Faculty members are designated as responsible employees which means they are required to report sexual misconduct. Graduate teaching assistants do not share the same reporting obligations. For more information on your rights as a student and the resources available to you to resolve problems, please go to the following site:
<https://catalog.uaf.edu/academics-regulations/students-rights-responsibilities/>.

I will work with the Office of Disability Services to provide reasonable accommodation to students with disabilities.

The Associated Students of the University of Alaska Fairbanks, the student government of UAF, offers advocacy services to students who feel they are facing issues with staff, faculty, and/or other students specifically if these issues are hindering the ability of the student to succeed in their academics or go about their lives at the university.

