

Study Guide for Class Midterm

Systematically review all class lecture pdf files very carefully as all questions will stem from lectures, discussion in lectures, sections meetings, and from both the textbooks, and films. You can simultaneously play the audio files for each lecture in mp3 format as you run through the lecture slides.

Review all of your notes for the films watched in the film lab.

The midterm will be a combination of short answer and several essays. You will need the entire scheduled period to complete the exam. Write all answers legibly as we cannot give credit for sentences we can't read.

In order to complete the test, you must write succinctly and accurately. Responses given as **sentence fragments are acceptable** in the short answer sections. **Do not repeat the question in your answer.**

You do *not* need a blue book as all answers will be written on the pages provided.

In studying, **pay particular attention to recurrent themes of the class.**

In writing essays, include in your response the historic roots of the event, whether the US was in an era of **epiphany**, or a time of **conflict over land and Peoples**. [Study the outline of these events.](#)

Closed book test, No notes will be allowed.

Study Questions:

-What do the Chinese Exclusion Act and the Japanese Internment have in common & how do they differ?

-Many believe that global climate change is not an immediate threat to our society. Discuss 3 specific examples of how climate change has already adversely affected our planet.

-How did Lt. Gatewood and Gen. Crook's approach to relocating the Apache people differ from the rest of the military at the time?

-Describe three ways scientific data has been used to assess human's impact on climate. Take a critical view and describe possible future outcomes on the climate.

-Who wrote the book [Silent Spring](#) and what was the social impact of the novel?

-Discuss the impact of capitalism during the Gold Rush.

- Why and how did the suffrage movement garner support in the west?
- Briefly describe Milankovich cycles.
- Who opposed the Homestead Act and why? How many acres were allotted to each homestead?
- What contributions did the Hearst family make to California?
- Describe positive feedback loops & how they affect global warming. Give examples of at least two.
- Explain the cycle of O^{16} and O^{18} in and out of the oceans.
- Who was Mary Austin and what impact did she have on the environmental movement?
- Where in The US is it most efficient to use solar and wind power as alternative energy?
- Explain the importance of the Medicine Wheel.
- What was the significance of the Chinese Exclusion Act?
- What are some of the advantages & disadvantages of nuclear power as an alternative energy source?
- In an era of boundless resources, the collision of wagon wheel and medicine wheel symbolize conflicting perspectives of nature and culture. How have these cultural conflicts shaped American attitudes on territory and earth resources? How have these attitudes reflected today's world of dwindling and disappearing resources?
- What is meant when it is said that the Gold Rush in California was a conflict of anarchy and geology?
- Describe in general how solar energy works. What parts of the Sun's energy spectrum are used and by what materials?
- In *The Weather Makers*, Tim Flannery argues that the land that was once covered by frozen ice will transform into temperate forests of the Taiga. Forests are capable of extracting large amounts of CO_2 from the atmosphere. Yet, the change from ice to forest will further the positive feedback of warming up the Earth. Why?
- What are the differences between the Indian land ethic and American land ethic?
- Which countries, according to Flannery, have the most to lose from climate change and the resulting extreme weather events?

-The Weather Makers is centralized around the theory that Earth is a single, planet-sized organism. What is the name of that theory and who created it?

-Explain and draw the nuclear fuel cycle. What is the pro and con argument for nuclear energy? What would need to happen for it to become a viable option?