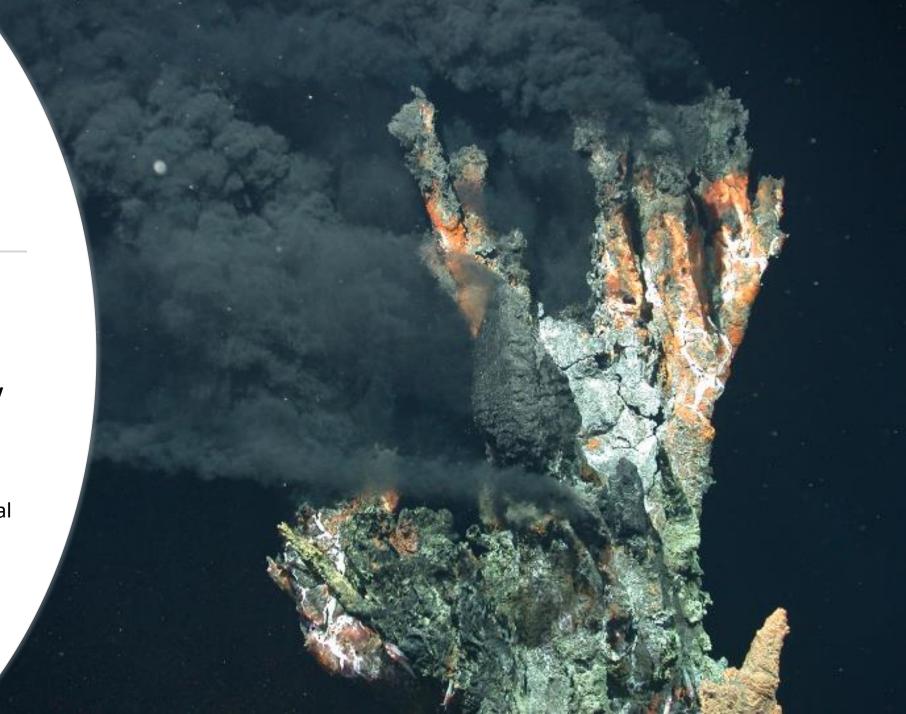




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- Office time: 9:00-12:00 on every Thursday
- Associate Professor in Ocean College, Zhejiang University.
- Research Interests: Hydrothermal geochemistry trace metals, noble metals, gas geochemistry, methane, ...



- What is Marine Geology?
- Why Study Marine Geology?
- What can you do after learning Marine Geology?
- What do you expect to learn from Marine Geology?

# What is Marine Geology?

- Geo: Earth; logy: study
- Geology: Study of the Earth

- Marine Geology:
- Study materials, processes,
   structure, and history of the Earth's
   Marine Environment

- Why Study Marine Geology?
- What can you do after learning Marine Geology?
- What do you expect to learn from Marine Geology?

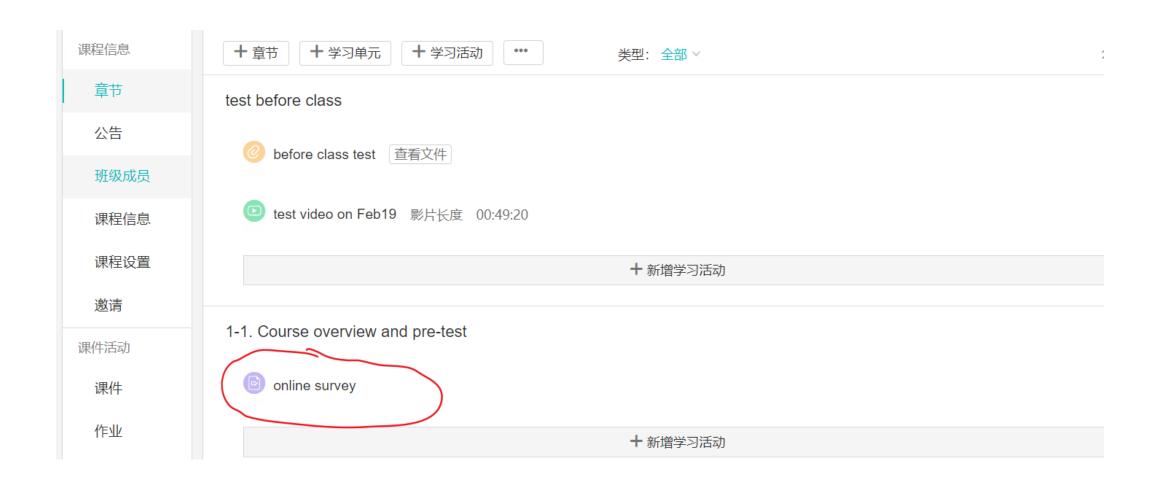




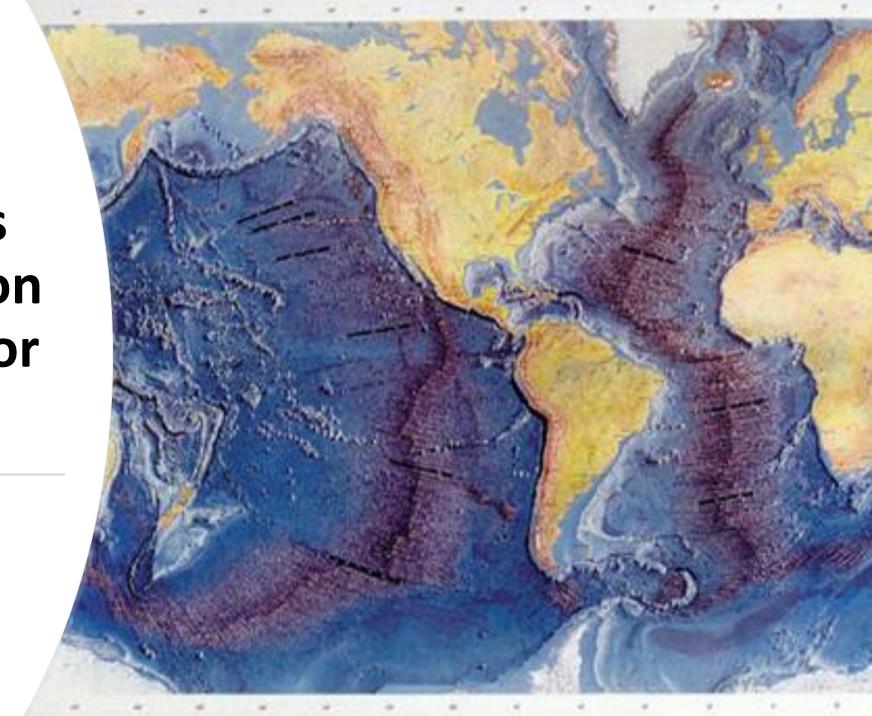
Take go to the "learning in ZJU" platform and take a survey.

It's just a survey. So, take it easy!

#### Five minutes to answer these questions



Week 1: Earth's Oceans and Features on the Ocean Floor

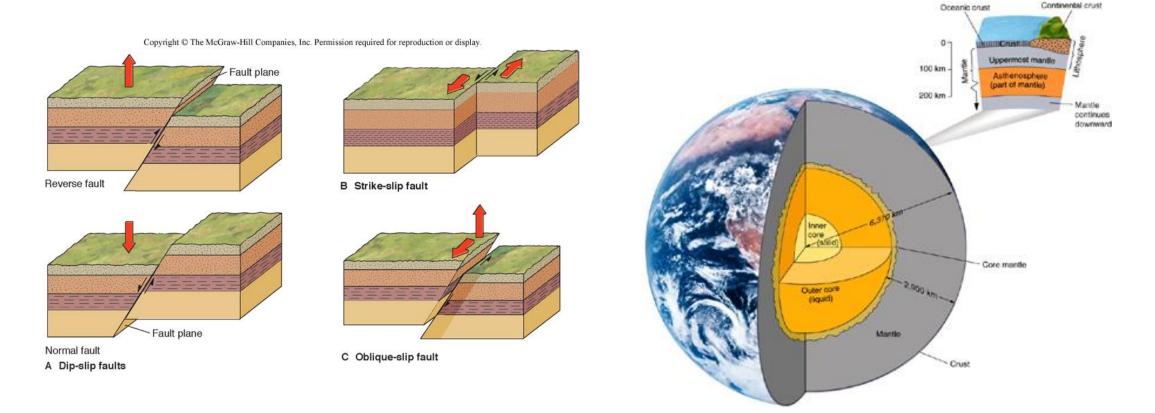


Week 1: Methods to study the Ocean



Week 2:
Origin of the Earth, Ocean, and Atmosphere





Week 2: Geological Structures

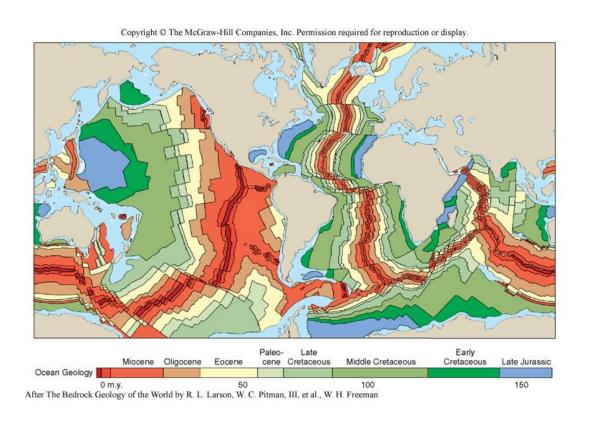
Week 3: Geologic Time & Age of the Earth

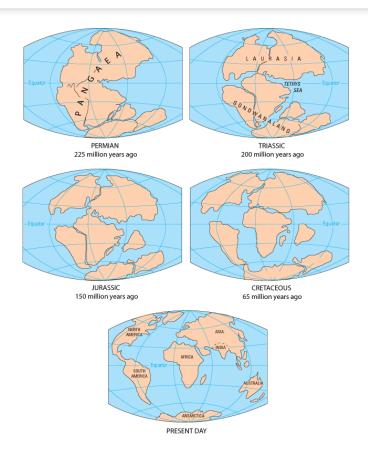


Week 3: Geologic Cycles and Sources of Energy

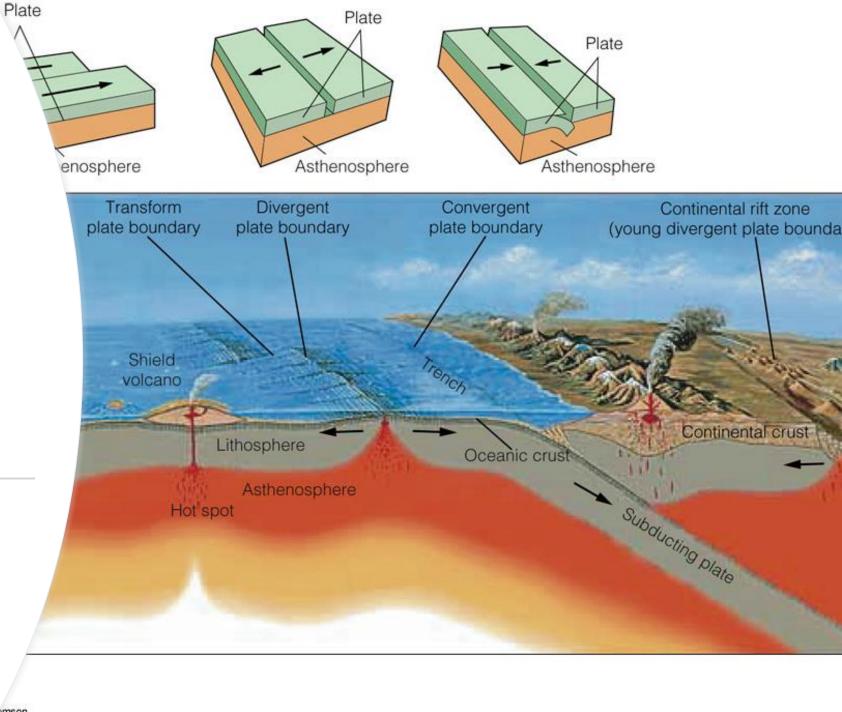


#### Week 4: Continental Drift & Sea-Floor Spreading





#### Week 4: Plate **Tectonics**



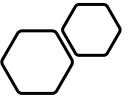
### Week 5: Volcanic Eruptions







### Week 5- Earthquakes

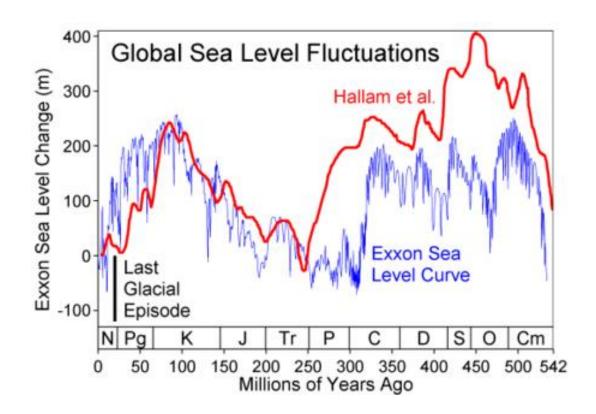


#### Week 5-Tsunami



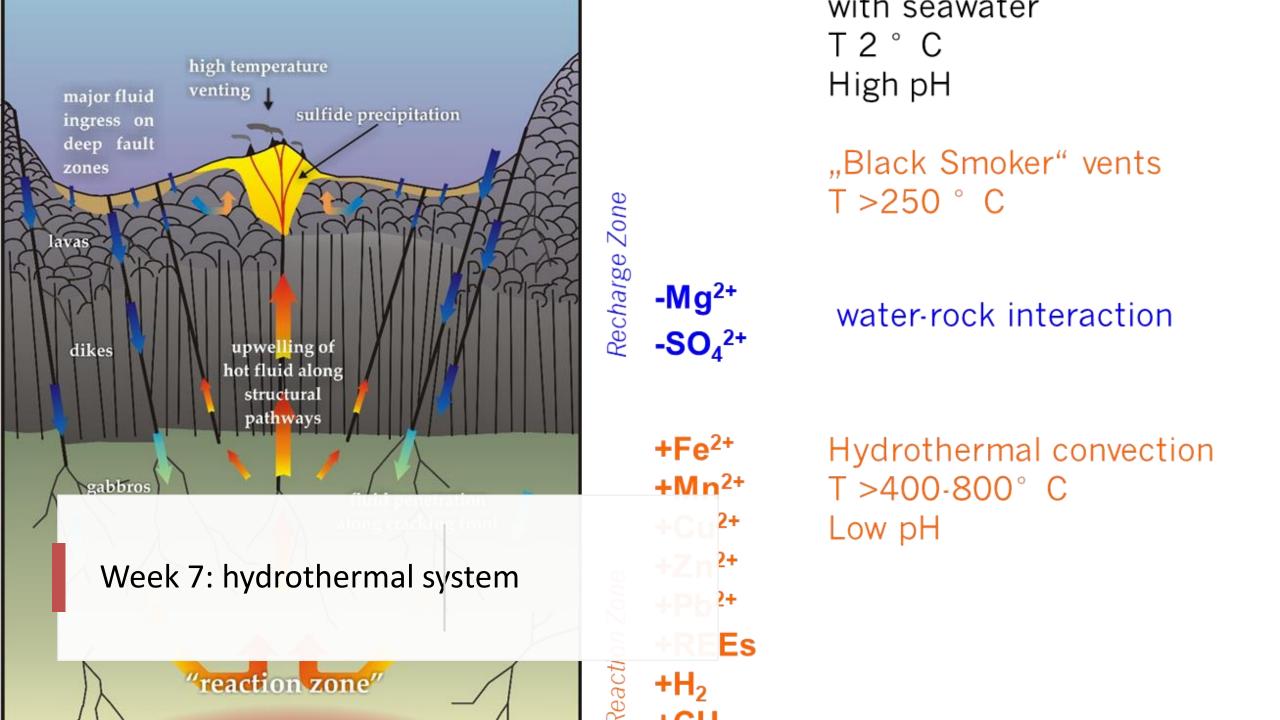
Week 6: Coastal Processes, Hazards, and Mitigation

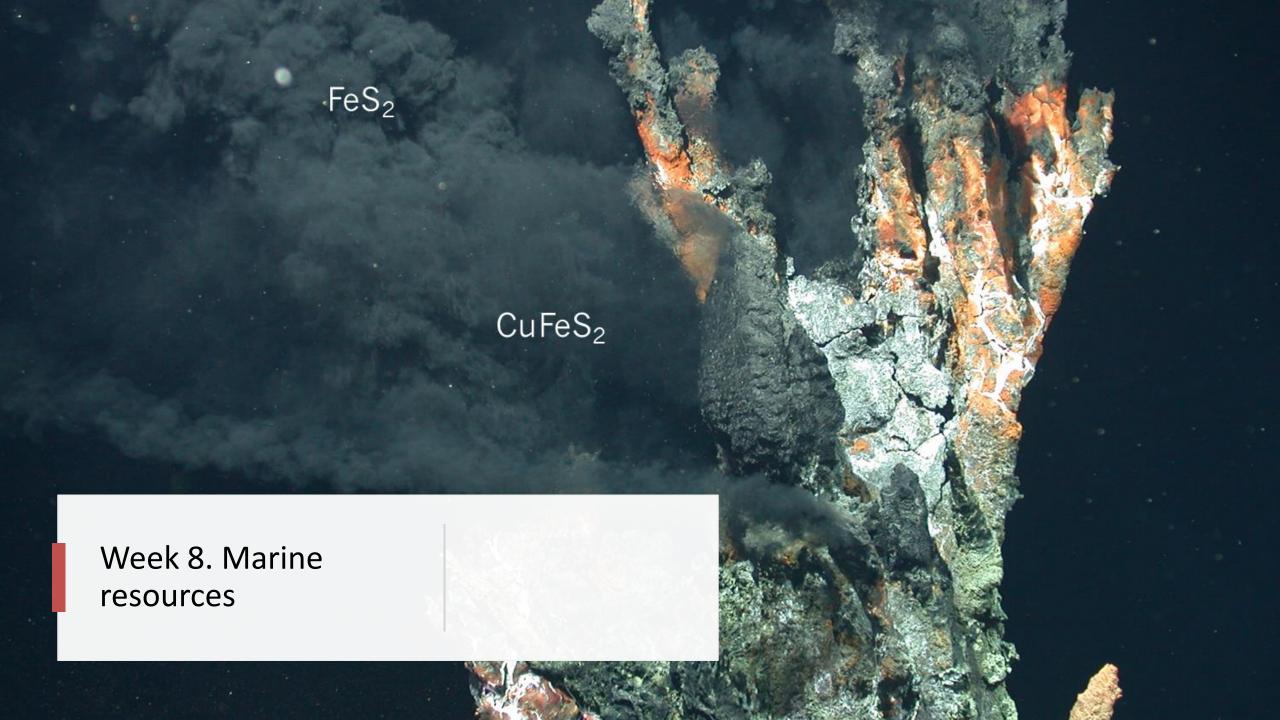






#### Week 6: Global Sea Level Changes





#### • Attendance: if you were absent for >1/3 courses, your final score will be 0.

#### • **Homework**: 40 marks. We will have 3-4 HomeWorks, each homework accounts for 5-15 marks.

#### Scores

- **Performance**: 20 marks. We will have several in-class tests. These tests will be accounted for your final score.
- Final examination: 40 marks. You could check any materials during the final examination.

#### About the homework

- I will inform you when there is a homework.
- Check the homework at the "学在浙大"platform.
- Using a format like Scientific papers
- You have **two times** to revise your homework
- Be careful of the **deadline**. You can't submit your homework after the deadline.
- I have zero tolerance for plagiarism. Do not "copy and paste" when you doing your homework.

## About the homework

- Criteria:
- No abstract: -10
- No references: -20
- Improper referencing: -10
- Bad layout: -5
- Recommended layout: 1.5 spacing, 12pt Times
   New Roman or Arial
- Irrelevance: -40
- Plagiarism: -100, zero tolerance.

### The first in-class test

 Now, take a 30-min test to let me your current level on marine geology.

Be assured that the score of this test will
 NOT be accounted for your final score.

#### Find this pre-test

