DISCUSSION TOPICS

Week 1- Feb. 5 Chap-1 Intro to Earth Science, Attendance, Syllabus

1. What are the 4 areas of “Earth Science”?
2. Why do volcanoes erupt?
3. What forces produce mountains?
4. Why is climate so variable?
5. How old is the earth?
6. Why do we have ocean tides?
7. Is there really global warming?
8. Is there really ice ages?
9. How do we get water out of the ground?
10. How does earth “fit” in our universe?
11. What is the difference between Physical Geology and Historical Geology?
12. What does Physical Oceanography cover? How does it compare to Biological Oceanography?
13. What is Meteorology?
14. What is Astronomy?
15. What is the Scientific Method? How does it compare to other ways of “knowing:”?
16. How does the history of Astronomy show the work of the Scientific Method?
17. What is the “Earth System”?
18. What is an isolated system?
19. What is a closed system?
20. What is an open system?
21. What are earth’s four interrelated open systems?
22. What is the difference between a positive and a negative feedback system?
23. Explain the positive and negative feedback in the climatic system.
24. What is the Earth’s place in the Solar System?
25. What is chemical differentiation?
26. What are the 4 main parts of earth’s interior?
27. What makes the earth unique?
28. Why study Earth Science?