Geology Spring Final #3 Answer Key

1. Orogenesis
2. Stress causes strain; stress=force in an area, strain=change in shape or volume because of stress
3. Compression pushes together; tensional pushes apat
4. Joint is fracture that doesn’t move; fault is a fracture with movement
5. Normal: top wall moves down, reverse: top wall moves up; thrust-reverse with dips less than 45 degrees; strike-slip-horizontal movement
6. Anticline-araches or upfolds, synclines-linear downfolds of rock layers; monoclines-step like folds
7. Convergent
8. At ocean ridges form fault block type mountains
9. Hot spots, regional stretching, regional extension
10. Processes at work today have been at work for a long time and will continue to work for a long time
11. Widespread geographically, occur in large numbers, only found in short time span of geologic time scale
12. Sedimentary
13. Relative does not give actual age; absolute gives actual age with radiometric dating and isotopes
14. Older layers on bottom, newer layers on top
15. Radioactive decay (fission)
16. 4.6 billion years old
17. Smallest to largest: epoch, period, era, eon
18. 88%
19. Remain or trace of prehistoric life
20. How an organism dies and how it is buried
21. Time scale of the history of the earth from beginning of time to present
22. Cenozoic
23. Mesozoic
24. During the Quaternary period of the Cenozoic era
25. Cephalopod
26. Sea/water
27. No competition
28. Shelled egg
29. Mesozoic
30. Gondwana and Laurasia; started to break up in Early mesozoic