

**CLEARVIEW INVITATIONAL 2009**  
**DYNAMIC PLANET (Earthquakes and Volcanoes)**

Names \_\_\_\_\_ and \_\_\_\_\_  
 School Key Team Number \_\_\_\_\_

SHORT ANSWERS: Place all answers below.  
 Any answers written on the test copy will not be counted.

\* = tie breakers

- |                             |  |
|-----------------------------|--|
| 1. <u>Focus</u>             | 6. <u>Aa</u>   |
| 2. <u>Epicenter</u>         | 7. <u>Pillow</u>                                     |
| 3. <u>Seismograph</u>       | 8. <u>Pahoehoe</u>                                   |
| 4. <u>Pyroclastic flows</u> | 9. <u>Thrust or Thrust fault</u>                     |
| 5. <u>Liquefaction</u>      | 10. <u>Volcanic Explosivity Index</u><br>(Explosive) |

MULTIPLE CHOICE—All answers must be legible to be considered correct. If I have to guess what the letter is, I will guess wrong!

- |                               |                |                 |              |   |
|-------------------------------|----------------|-----------------|--------------|---|
| 11. <u>B</u>                  | 12. <u>C</u>   | 13. <u>F</u>    | 14. <u>C</u> | 15. <u>D</u>  |
| 16. <u>E</u>                  | 17. <u>A</u>   | 18. <u>B</u>    | 19. <u>E</u> | 20. <u>D</u>  |
| 21. <u>C</u>                  | 22. <u>A</u>   | 23. <u>F</u>    | 24. <u>B</u> | 25. <u>D</u>  |
| 26. <u>B</u>                  | 27. <u>D</u>   | 28. <u>C</u>    | 29. <u>A</u> | 30. <u>A</u>  |
| 31. <u>C</u>                  | 32. <u>A</u>   | 33. <u>B</u>    | 34. <u>D</u> | 35. <u>A</u>  |
| 36. <u>E</u>                  | 37. <u>D</u>   | 38. <u>C</u>    | 39. <u>E</u> | 40. <u>A</u>  |
| 41. <u>F</u>                  | 42. <u>D</u>   | 43. <u>E</u>    | 44. <u>D</u> | 45. <u>A</u>  |
| 46. <u>A</u>                  | 47. <u>B</u>   | 48. <u>B</u>    | 49. <u>D</u> | 50. <u>B</u>  |
| 51. <u>D</u>                  | 52. <u>D</u>   | 53. <u>A</u>    | 54. <u>D</u> | 55. <u>C</u>  |
| 56. <u>D</u>                  | 57. <u>A</u>   | 58. <u>E</u>    | 59. <u>D</u> | 60. <u>346 km</u> <span style="font-size: small;">(accept 340-352)</span> |
| 61. <u>111 km<sup>3</sup></u> | 62. <u>5.9</u> | 63. <u>0.44</u> | 64. <u>B</u> | 65. <u>A</u>  |
| 66. <u>E</u>                  | 67. <u>C</u>   | 68. <u>D</u>    | 69. <u>C</u> | 70. <u>E</u>  |