

Grading rubric - first set of study questions

1. 5 pts for the history/evolution of the theory
15 pts for 3 lines of evidence supporting the theory (3 pts each coherent example, 1 pt for the scientist who discovered it, and 1 pt for the applicable technology).
4. Define and describe two methods of oceanic island formation (12 total, 6 each)
Information about plate motions - direction, rate, speed, changes in the previous (8)
5. (5 pts) Define residence time
(5 pts) What information is necessary (either in written or formula form, formula form must be defined for full credit)
(5 pts) Assumptions
Residence Time of Silica
(2.5) Set up right
(2.5) Correct answer
8. 6 pts for defining differential heating properly
6 points for the Hadley cell explanation
5 pts for describing horizontal winds properly
3 pts for identifying the Coriolis effect.