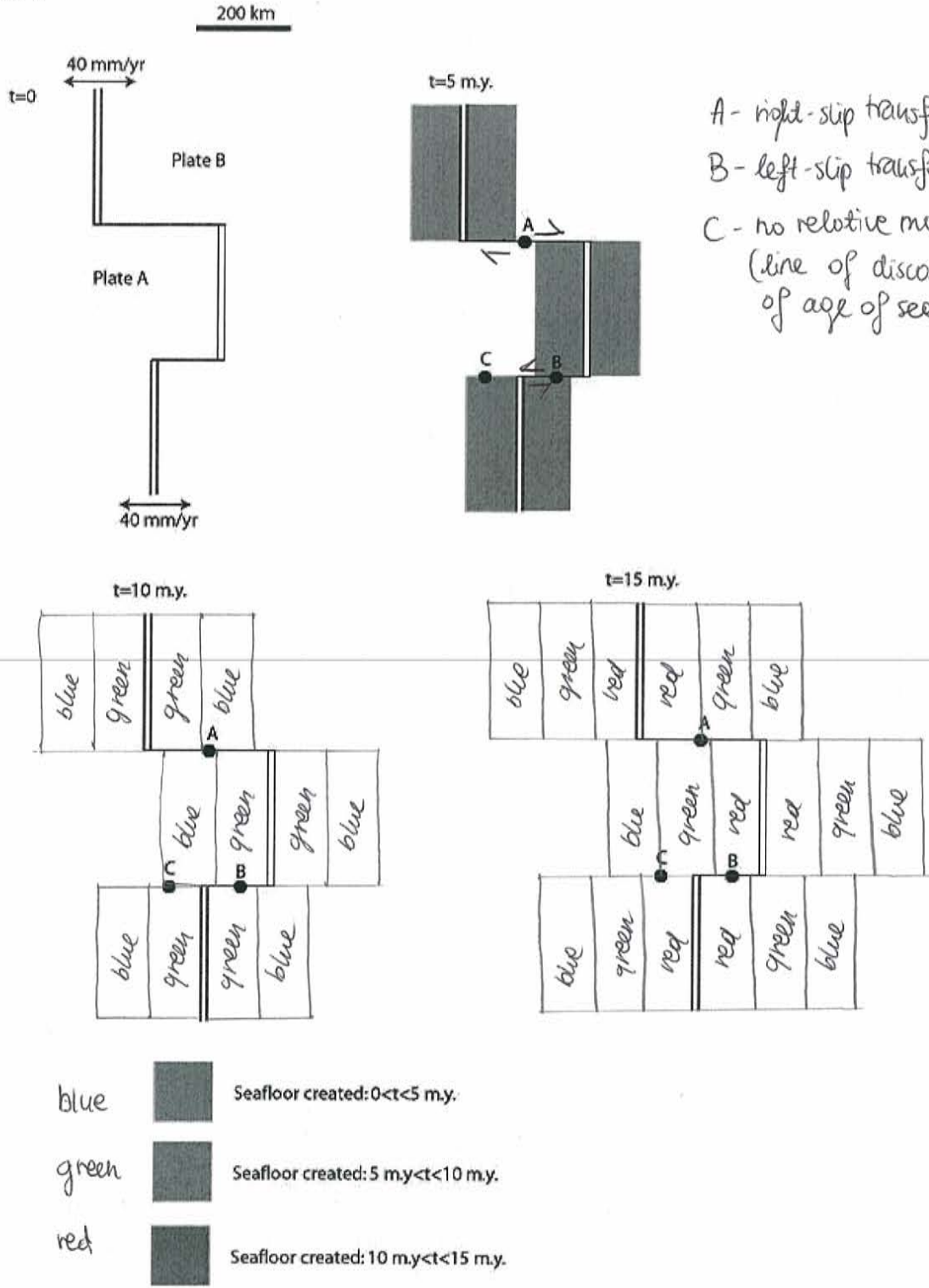


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12.002 Physics and Chemistry of the Earth and Terrestrial Planets  
Fall 2008

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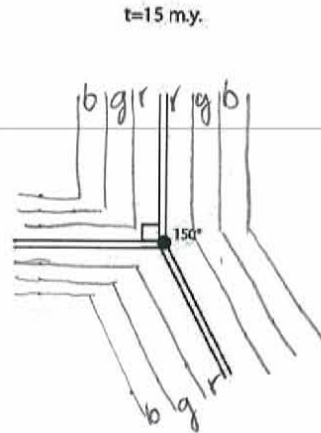
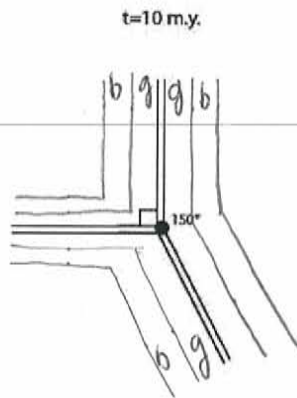
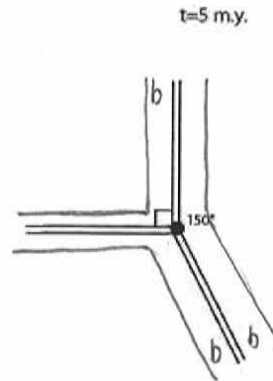
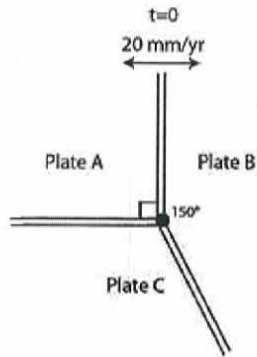
Problem 1



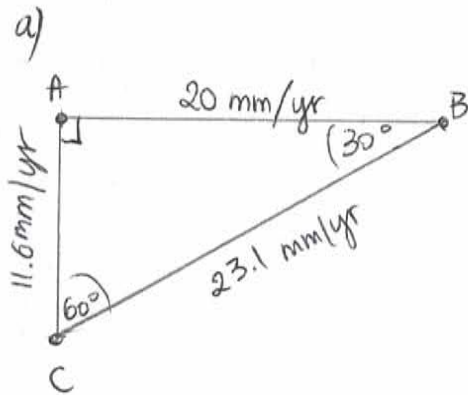
A - right-slip transform fault  
 B - left-slip transform fault  
 C - no relative motion  
 (line of discontinuity of age of seafloor)

Problem 2

200 km



- blue  Seafloor created:  $0 < t < 5$  m.y.
- green  Seafloor created:  $5 \text{ m.y.} < t < 10$  m.y.
- red  Seafloor created:  $10 \text{ m.y.} < t < 15$  m.y.



Problem 3

velocity diagram

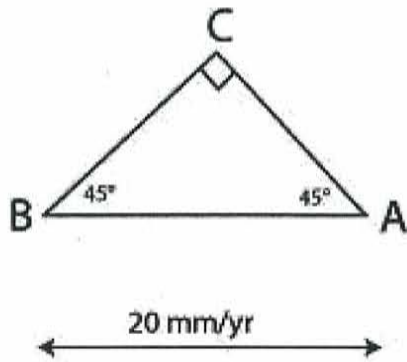


plate geometry

