

2

5) A foreland fold- and thrust belt

6) Back-Arc Basins

7) Eustatic changes in sea level

8) A passive margin

9) Near field geodesy

10) Fission track dating

Name.....

Section B (30 marks)

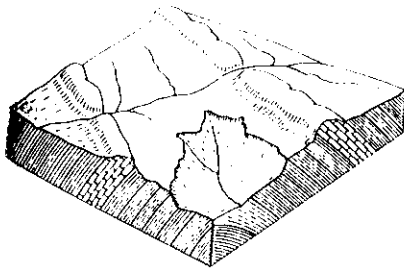
Examine the diagrams 1-5. In each case draw labelled diagrams to illustrate your view of what will happen next. Remember no diagram = no grade

1)

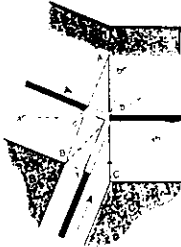
Forearc-forearc



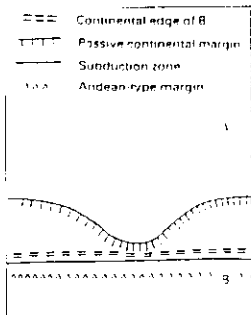
2)



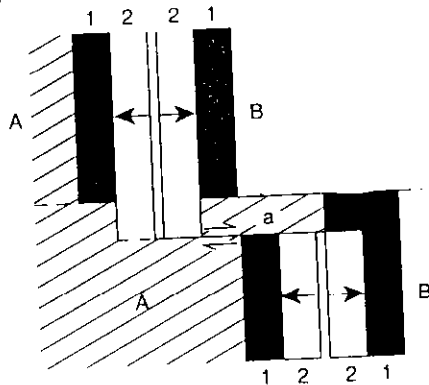
3)



4)



5)



Name.....

Section C (30 marks)

Answer any two of the following essay questions.

- 1) Using the Himalayas as an example outline the models of collisional deformation.
- 2) Using diagrams and, where possible examples, discuss the kinematics of triple junctions.
- 3) Using examples explain how an understanding of planetary tectonics is of use in the interpretation of Earth history.
- 4) Give an outline of the methods that can be adopted to investigate (a) active tectonics, and (b) neotectonics in Lebanon.

Name.....