

## **G10 June 16**

### **G10 Apollo Instructions for lesson on Processes and Landforms of plate tectonics**

internal forces of faulting and folding acting on different plate boundaries

The mechanics of plate movement s involves three main plate boundaries:

- i) Divergent boundaries- this is where plates move away from each other.
- ii) Convergent boundaries- where plates come together.
- iii) Transform boundaries- where plates grind past each other.

- it is of importance to take note of the fact that plate movement is necessitated by convection currents.(Refer to PLatinum p 144-147 for clarity)

-They are processes and landforms that result from the movement of plates in different directiions, these include:

- i) mid-ocean ridge
- ii) Rift Valleys eg the great East African Rift Valley
- ii) Volcanic features
- iv) The San Andreas Fault in California.

Refer to Platinum p 148-155)

Folding and Faulting are significant processes that take place within the crustal plates. These processes result from forces of compression and tension occuring at different plant boundaries. These forces lead to various features taking place which include;

- i) Fold mountains/mountain ranges
- ii) Different types of folds
- iii) Different types of faults and rift valleys
- iv) Earthquakes and Volcanic activities

Refer to Platinum p 156-179

NB: Extra notes have also been uploaded for you. Please respond to all activities and Test yourself work to check your level of understanding on the section. Two Formal Assessments will be uploaded by the end of the week which you will submit for MARKS for Mark Order;

Please email your responses and all responses MUST be TYPED to ensure clarity when marking. If you have any problems, please communicate via email only to amoyo@alexhigh.org.za/nxaba@alexhigh.org.za. Please your responses must be emailed to us by the DUE DATES that will be posted. For those who can, you can do your Formal Assessments using Google Docs.

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