

Tectonics Worksheet

Part I. Compression — Fold and Reverse Fault Formation Observations/Drawings

Questions *(Use a separate sheet of paper to answer the following questions.)*

1. Define compression. At what type of boundaries does compression occur?
2. Using your observations from Part I, briefly explain how mountains may form.
3. Label possible weak points or areas on your final drawing for Part I. What are these weak points called?

Part II. Erosion and Peneplain Formation

Observations/Drawing

Questions *(Use a separate sheet of paper to answer the following questions.)*

1. List two major factors that cause erosion.
2. How can erosion in one area lead to sedimentation in a different location?
3. Define the term peneplain. Label the peneplain in your final drawing for Part II.

Part III. Divergence and Rift Valley Formation

Observations/Drawings

Questions *(Use a separate sheet of paper to answer the following questions.)*

1. Based on your observations for Part III, describe what happens as continental plates diverge.
2. List an example of where the type of movement seen in Part III (divergence) occurs.
3. Label possible weak points in your final drawing for Part III. How is the formation of these weak points different from those seen in Part I?