

8. **(12 pts)** Three mountain ranges (A, B, and C) are circled on the figure. Explain how each formed.

9. **(11 pts)** Create a table of mafic, intermediate, and felsic igneous rocks and provide both the intrusive and extrusive types.

10. **(9 pts)** How do continent-continent and oceanic-continent plate collisions differ? Sketch each.
11. **(4 pts)** How do island atolls form? Draw a picture to illustrate the process.
12. **(6 pts)** What type of plate interaction would likely lead to eruption of andesite? Describe the process.

13. **(12 pts)** Draw three sketches for each of the major rock types (igneous, sedimentary, and metamorphic) showing examples of how and where each is likely to form.