





13. (6 pts) What is the relationship between the type of magma (mafic, intermediate or felsic) and the resulting type of eruption?
14. (6 pts) What is a drainage basin? What are two common drainage patterns?
15. (4 pts) What are the two main types of glaciers?
16. (5 pts) How has global climate varied in the past? What are three reasons we believe global climate changes? State briefly the current controversy over global warming.
17. (4 pts) What is a stream profile? How does a stream change as you go from its headwaters to its mouth?

18. (6 pts) What is risk? Define it, including its two components. What are the three approaches we discussed in analyzing risk? Apply each of the three to a decision about whether or not to require helmets for children under 14 who are riding a bicycle on a public road or sidewalk. Realize that in 2003, nearly 285,600 children ages 14 and under were treated in the US for bicycle-related injuries. Nearly half (47 percent) of children ages 14 and under hospitalized for bicycle-related injuries are diagnosed with a traumatic brain injury.

19. (6 pts) Sketch tidal ranges and wetlands, indicating the type of vegetation that is adapted to growing in each range.

20. (5 pts) What is one question you reviewed for this test that did not appear on it? Answer it.