

Review Questions Topic 12: Deformation

What kind of deformation (what geologists call “structure”) is formed as a result of compression (ductile)?

Explain why the deformation of layers may or may not influence the surface of the landscape

Define: fault trace, fault scarp, fault plane, fault block

Explain how miners label fault blocks on each side of a fault plane as either hanging or foot wall

Explain and define normal faults, reverse faults, and transform faults

How do geologists designate the motion of transform faults in cross-section and two dimensions?

Explain the difference between dip slip and strike slip, and which goes with which fault

What kind of stress is associated with each type of fault?

Define and explain a thrust fault