

- Horizontal bed
- Strike of vertical bed
- Strike and dip direction of inclined bed. Dip line is 1/5 length of strike line.
- Strike, dip direction, and dip angle of inclined bed.
- Overtaken bed. Dip direction is to the SE
- Strike, dip direction, and dip angle of an inclined joint
- Strike, dip direction, and dip angle of an inclined foliation
- Trend and plunge angle of a lineation.
- Contact; solid where known, dashed where inferred, dotted where covered by soil or sediment
- Unconformity

- Fault; solid where known, dashed where inferred, dotted where covered by soil or sediment
- Dip direction and dip angle of inclined fault
- Vertical fault
- Sense of vertical displacement (up, down) along fault
- Normal fault with bar and ball symbols on the down-dip (hanging-wall) side
- Reverse fault with rectangles on the down-dip (hanging-wall) side
- Thrust fault with triangles (barbs) on the down-dip (hanging-wall) side

- Right-lateral strike-slip fault
- Left-lateral strike-slip fault

Symbols for Faults on Cross Sections

- Strike-slip fault; **A** means "away" and **T** means "toward"
- Strike-slip fault; circle with X or cross moves away, circle with dot moves toward
- Strike-slip fault; circle with cross moves away, circle with bar moves toward
- Normal fault with displacement indicated by half arrow symbols
- Reverse fault with displacement indicated by half arrow symbols

- Monocline with arrow pointing down the step
- Synclinal bend of a monocline; short arrow is on the steeper limb
- Anticlinal bend of a monocline; short arrow is on the steeper limb
- Anticline, with the longer curve along the ground-surface trace of the fold axis
- Syncline, with the longer curve along the trace of the fold axis
- Plunging anticline with trend of plunging fold axis indicated by the arrowhead on the trace of the fold axis
- Plunging syncline with trend of plunging axis indicated by the arrowhead on the axial trace
- Overtaken anticline
- Overtaken syncline

Map Symbols Indicating Age

- | | | |
|-----------------------|------------------------|---------------------|
| D Devonian | J Jurassic | Q Quaternary |
| S Silurian | T Triassic | N Neogene |
| O Ordovician | P Permian | PE Paleogene |
| C Cambrian | P Pennsylvanian | K Cretaceous |
| pC Precambrian | M Mississippian | |