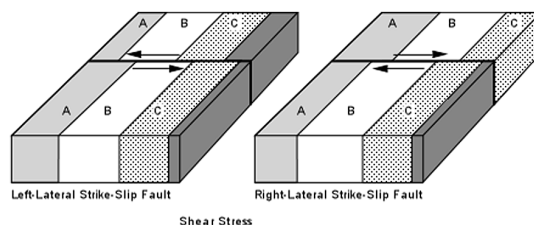
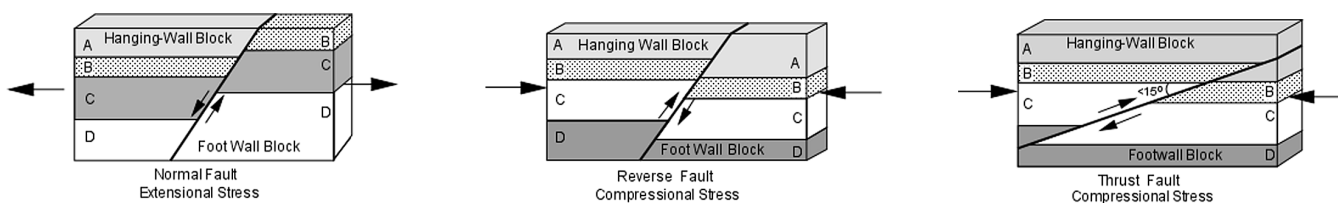
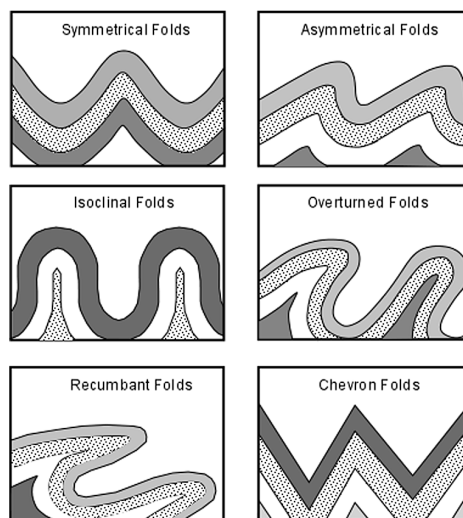
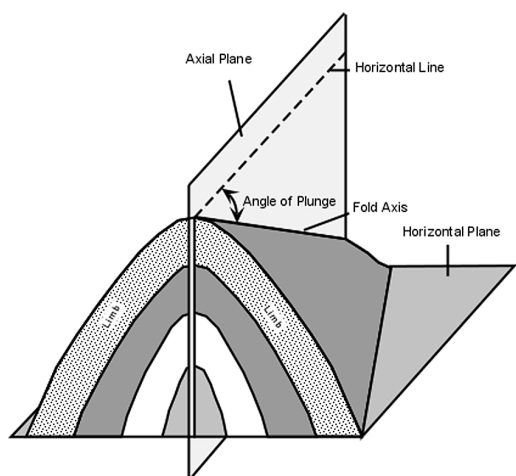
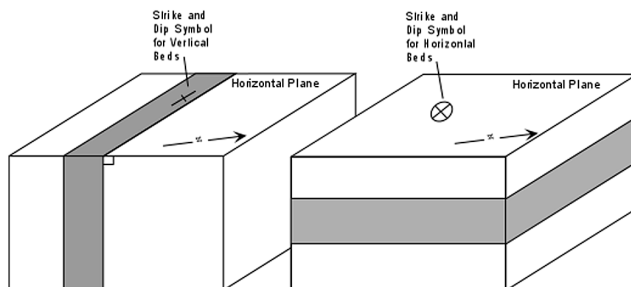
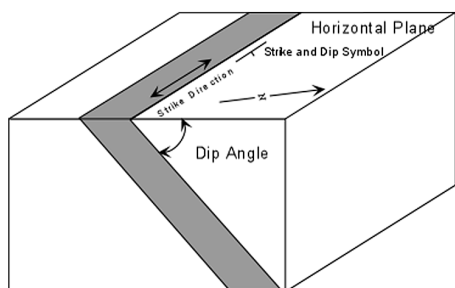
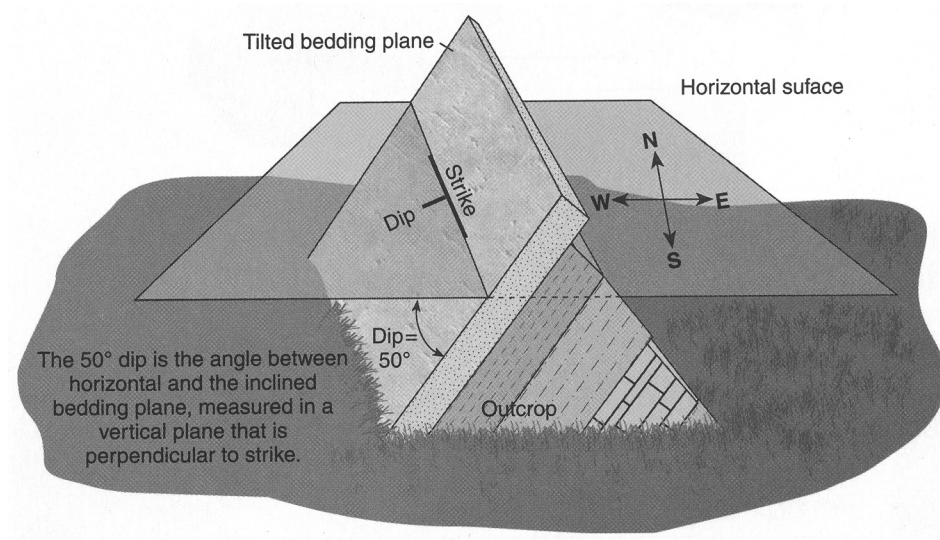


Geologic Structures



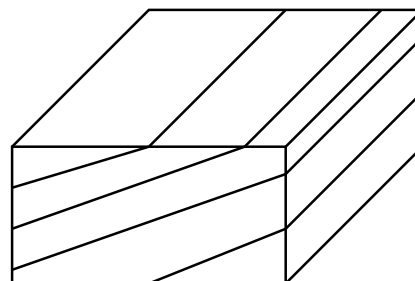
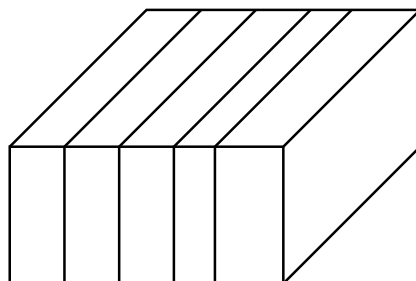
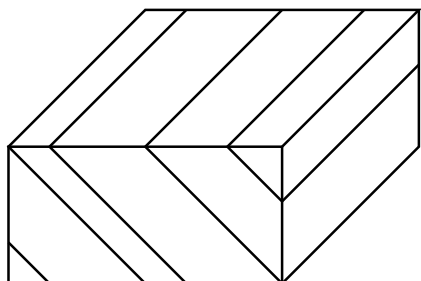


Geologic Structures

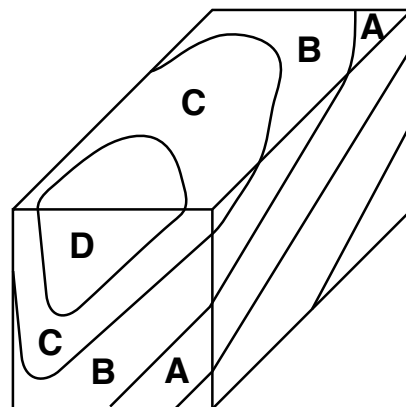
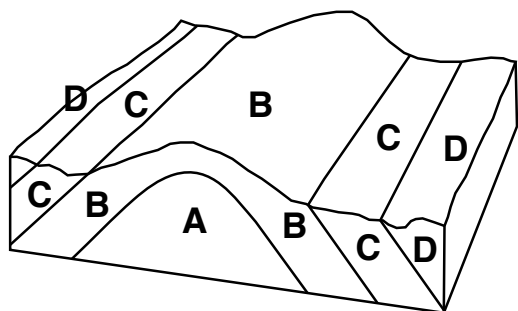
Name _____

Section _____

A. For each of the three block diagrams below label the strike and dip direction and angle on the surface.

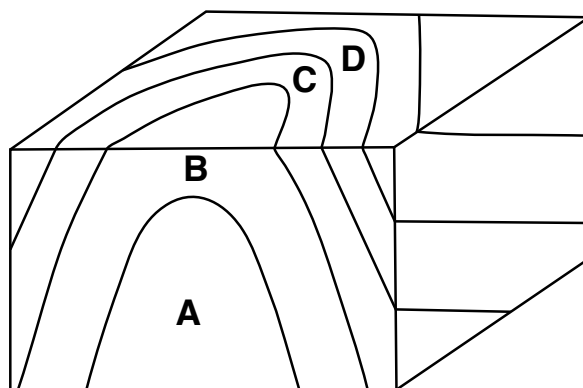
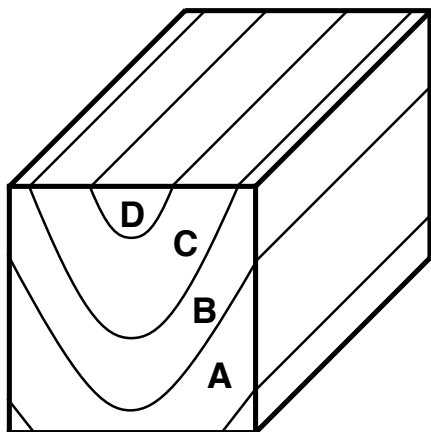


B. For each of the four block diagrams below label the strike and dip of the 2 limbs of folds exposed on the surface. For each diagram label limbs, axial plane, axis and identify each fold using all relevant fold descriptors (note the letter 'A' is the oldest rock and 'D' is the youngest).



Name _____

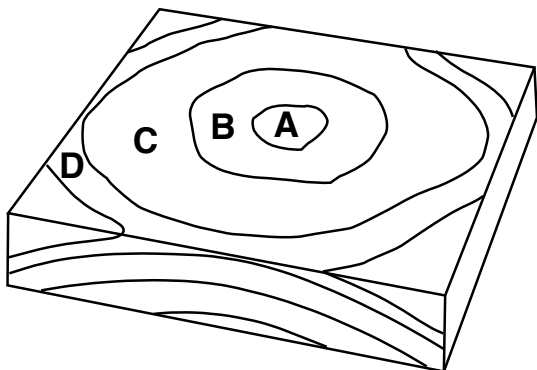
Name _____



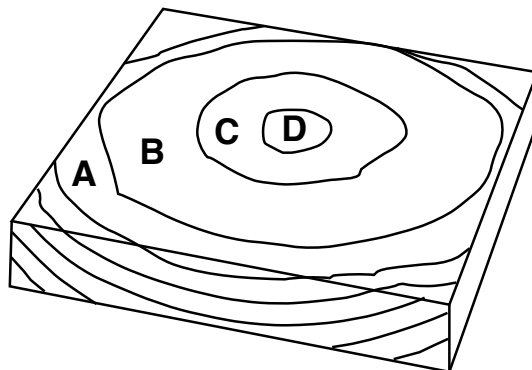
Name _____

Name _____

C. For the block diagrams below identify the fold using all relevant fold descriptors (note the letter 'A' is the oldest rock and 'D' is the youngest).

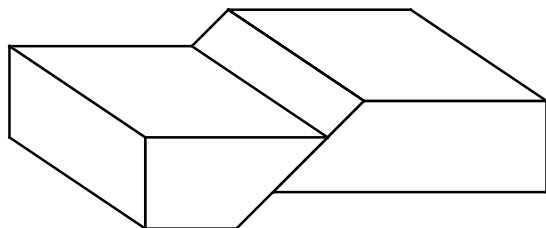


Name _____

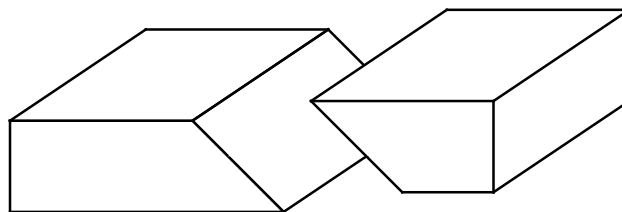


Name _____

D. For each of the block diagrams below label the hanging wall, footwall, fault plane, strike, dip and identify the fault.

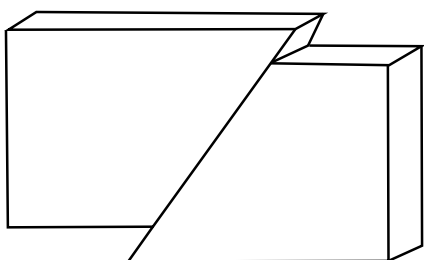


Name _____

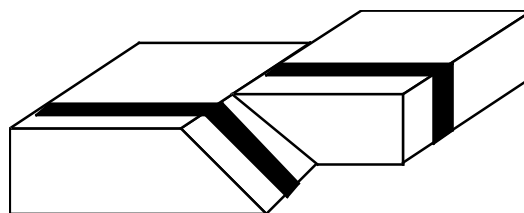


Name _____

E. For each of the block diagrams below name the fault.

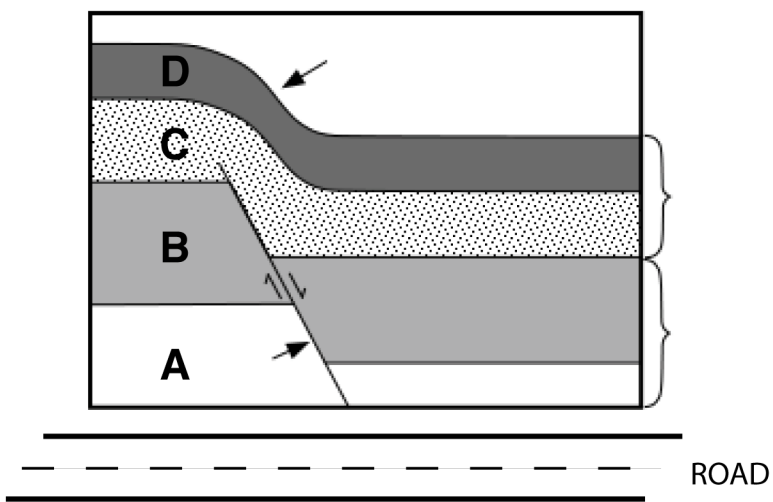


Name _____



Name _____

F. For the block diagram below identify the 2 geologic structures (be as precise as possible). Which of the 4 rock layers represent brittle rock? Which of the 4 rock layers have shown ductile deformation?



G. Using the models on the next 4 pages answer the following questions:

Model 1

Which direction are the layers of rock striking? _____

Which direction are the layers of rock dipping? _____

What is the approximate angle of dip? _____

Model 2 Give the complete name of this structure _____

Model 3 Give the complete name of this structure _____

Model 4 Give the complete name of the fold _____

What other structure is present on this model? _____

