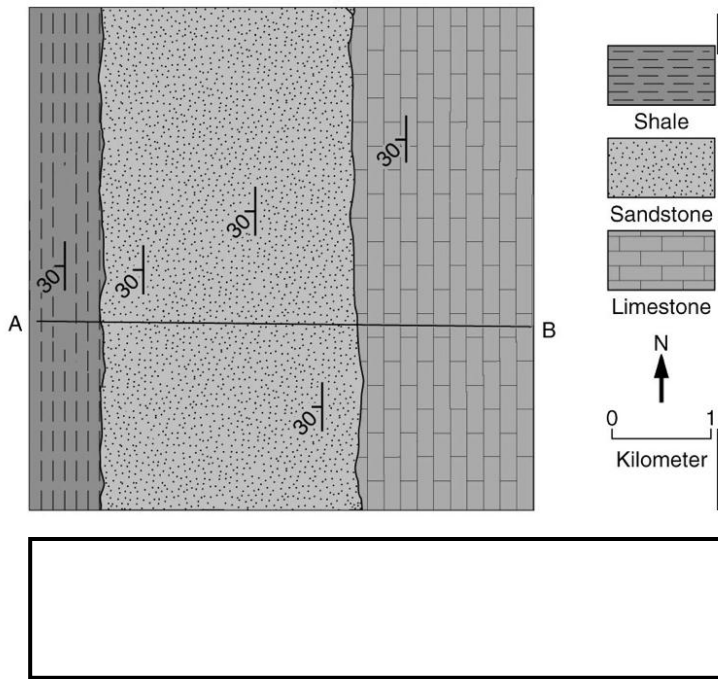


Round: 7B

The sequence shown in Figure 1 is striking North-South and dipping to the West at 30 degrees.



1. In the box provided underneath Figure 1, construct a geologic cross-section at line A-B. Make sure to label the relevant angle(s). (4 pts)
2. Assuming there is not complete overturning in the above diagram, list the rocks in order from the oldest to the youngest. (3 pts)

3. What is the rock type classification for the rocks depicted above? (2 pts)
4. Describe the depositional environment where you would expect these rocks to occur. (3 pts)
5. Describe the sequence of sea level change as these rocks were deposited. (3 pts)
6. Where in the sequence are you most likely to find corals? (2 pts)
7. On Figure 1, draw a strike and dip symbol that corresponds to the given information. Draw a strike-dip symbol for a sequence striking North-South and dipping 50 East. (3 pts)