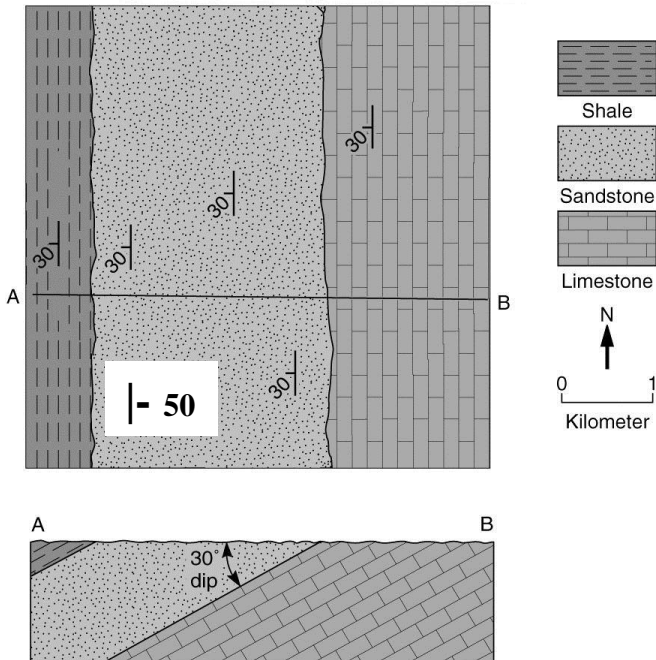


ANSWER

ANSWER

ANSWER

Round: 7B



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 total:*

*1 pt – correctly showing ALL three layers on diagram*

*1 pt – the location of beds at surface corresponds to diagram above*

*1 pt – beds dip to West*

*1 pt – dip resembles 30 degrees*

2. Assuming there is not complete overturning in the above diagram, list the rocks in order from the oldest to the youngest.

*Limestone, sandstone, shale (3 pts for the correct order)*

3. What is the rock type classification for the rocks depicted above?

*Sedimentary (2 pts)*

4. Describe the depositional environment where you would expect these rocks to occur.

*Accept any of the following (3 pts)*

- Near shore*
- Close to a shoreline,*
- Shallow marine/ocean*

5. Describes the sequence of sea level change as these rocks were deposited.

*Falling, then rising (3 pts)*

6. Where in the sequence are you most likely to find corals?

*Limestone (2 pts)*

7. On the diagram above, draw a strike and dip symbol for a sequence striking North-South and dipping 50 East.

*(1 pt each, 3 pts total): strike line going N-S, dip line pointing E, 50 at end of dip line (anywhere on diagram acceptable)*