

Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

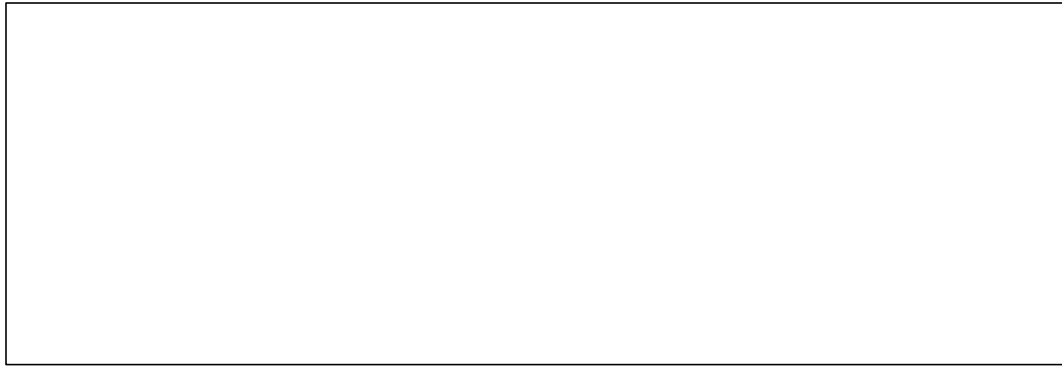
## Little Dome

Little Dome is a structural dome in the fold belt of central Wyoming, on the Wind River Indian Reservation. A structural dome is the result of an anticline that is bowed up, with its ends plunging beneath the surrounding terrain away from the highest point. As the center of the dome is eroded, the different rock layers form a series of concentric ovals.

1. What kind of rock forms the dome (sedimentary, igneous, or metamorphic)?  
\_\_\_\_\_ Which visible features suggest the answer? \_\_\_\_\_  
\_\_\_\_\_
2. Where would you look to find the oldest rocks in this image? \_\_\_\_\_  
\_\_\_\_\_
3. Where would you look to find the most tightly folded rock layers? \_\_\_\_\_  
\_\_\_\_\_
4. In which direction is the stream flowing at B2? \_\_\_\_\_
5. How can you tell which of the rock layers in the dome structure are the most resistant to erosion? \_\_\_\_\_  
\_\_\_\_\_
6. Where does the rain that lands at F25 end up? \_\_\_\_\_  
\_\_\_\_\_
7. In which direction are the rock layers at K32 dipping? \_\_\_\_\_

(Continued...)

8. Draw a simplified geologic cross section of Little Dome from D27 to L22 showing the general structure of the dome.



D27

L22