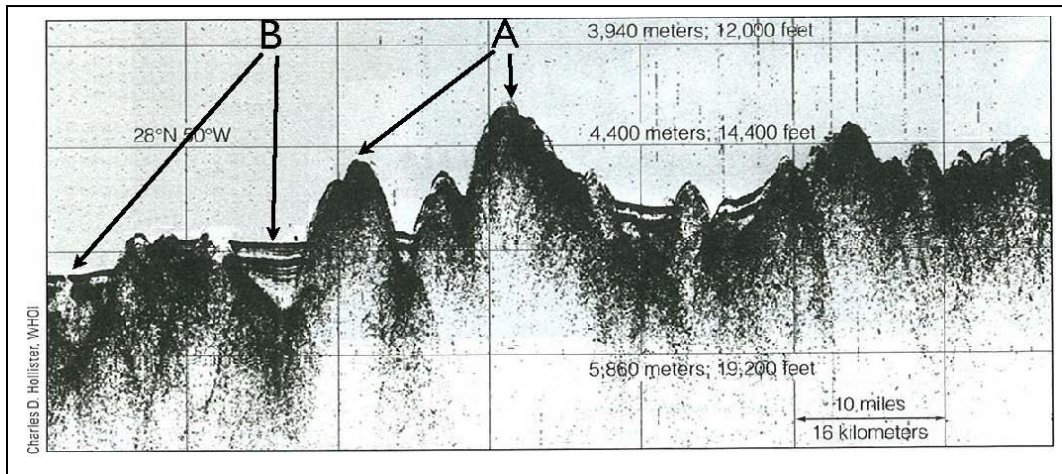


Round: 4A



Note: This image shows an East-West cross section of the seafloor.

1. The mountain range (marked A) featured in the echo-sounding above is part of the world's longest mountain chain. Name this mountain range. (4 pts)
2. What process is responsible for the formation of these mountains (marked A)? (4 pts)
3. What layer of the Earth is moving as part of this process and what is the motion of this process called? (4 pts)
4. What layer of the Earth's mantle drives the motion discussed above? (4 pts)
5. What process is filling in the 'valleys' indicated by the label "B" in the figure above? (4 pts)