

16 A



16 B



## A note on 16B:

In mountain-building movements (orogenies) deformations of the rock on the smallest scale consist only of stretches and shears. A body which begins as a sphere, for example one formed by an isotropic chemical diffusion process, ends as an ellipsoid, having half-axes $a, b$, $c$ distinct in the general case. A single direction of shear or stretching produces a spheroid, in which two half-axes are equal. But to resolve the component shears or stretches requires evidence from other locations in the rock stratum.

