

Teachers' Zone

Continental Rifting (divergent) Triple Junction – The Red Sea/East Africa

Simulation of the Triple Junction associated with the Red Sea and East Africa

A photocopied map of the region is scored and cut along the lines of the Red Sea, Gulf of Aden and East African Rift system. A small ball, representing the rising mantle plume, placed beneath the triple point at Afar, is seen to dome up the model, the resulting tension displacing the “lithosphere” form the characteristic rifts. (Figure 1)

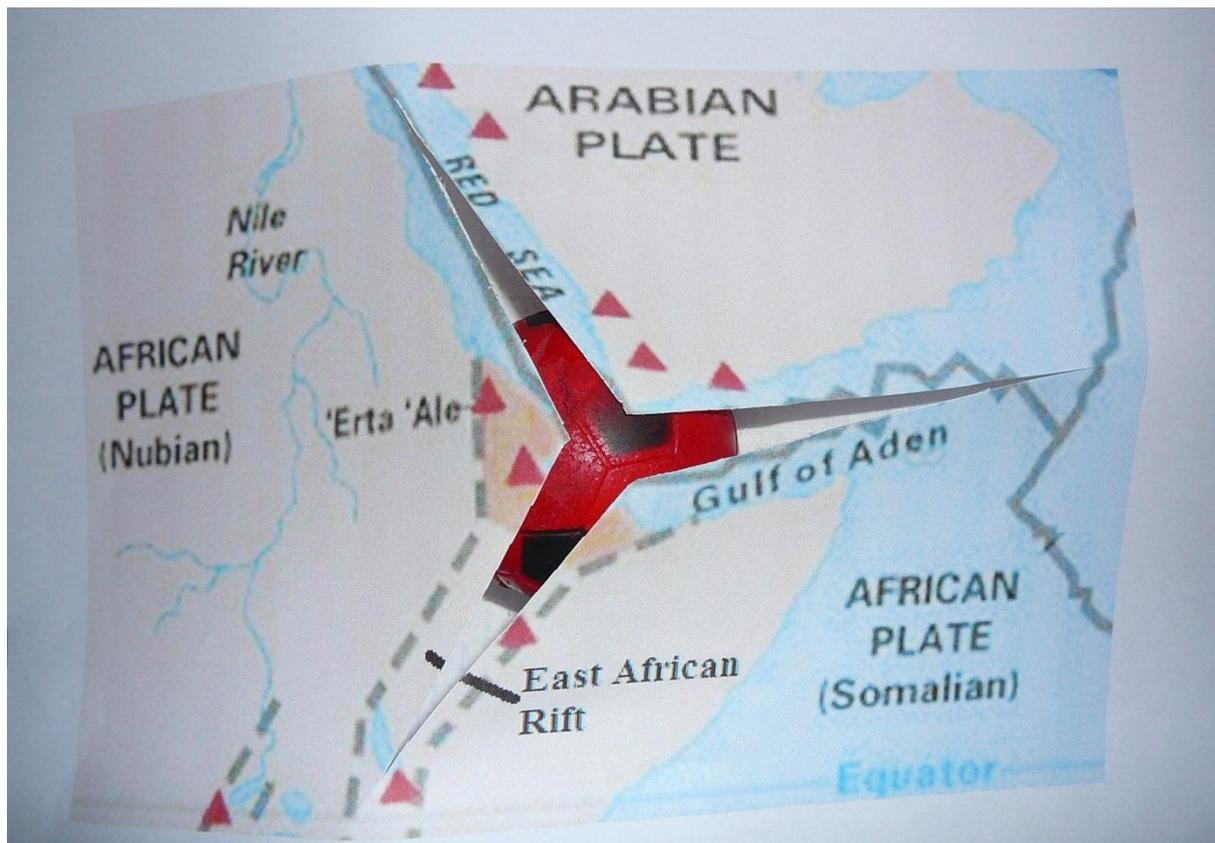


Figure 1