A simple model of the evolution of the early Earth, Part II

In Part I, cooling of the early Earth’s surface made those outer parts sink, and water that was released induced melting of more sialic components, and magmas rose to make small volcanic chains.

Subduction zones pull crust toward themselves, pulling other proto-continents are drawn in.

Proto-continents are drawn together to make the first continents of any size, and the water released by volcanism accumulates to make a shallow ocean.

More of same, to give bigger continents and deeper oceans.

Map views of the above:

A (Proto-) trench
B (Proto-) Island arc
C A small craton