Name Date Class

SECTION 1 Enrichment

Studying Seafloor Spreading on Land

You know from your textbook how seafloor spreading changes the ocean floor. You know that magma rises at the mid-ocean ridge and flows away from the ridge. In general, this activity is hidden beneath the ocean's water. But there is a place where seafloor spreading can be seen on land.

Meeting Individual Needs

Figure 1

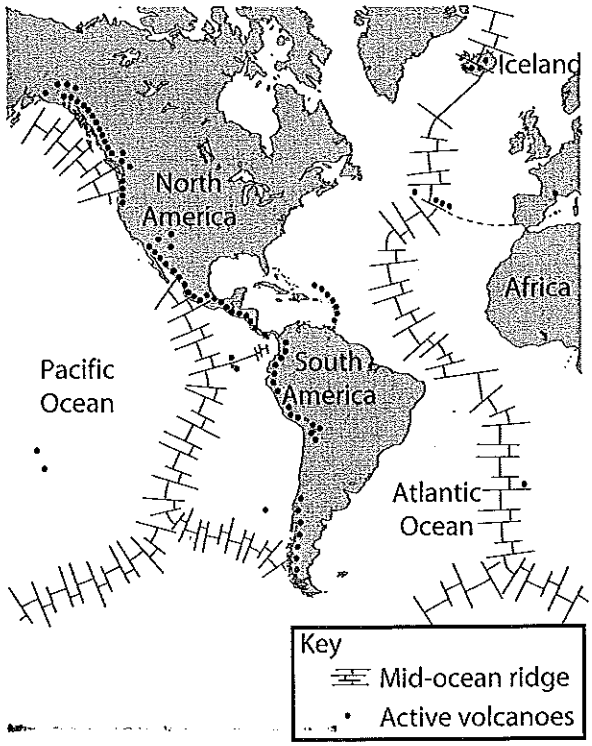
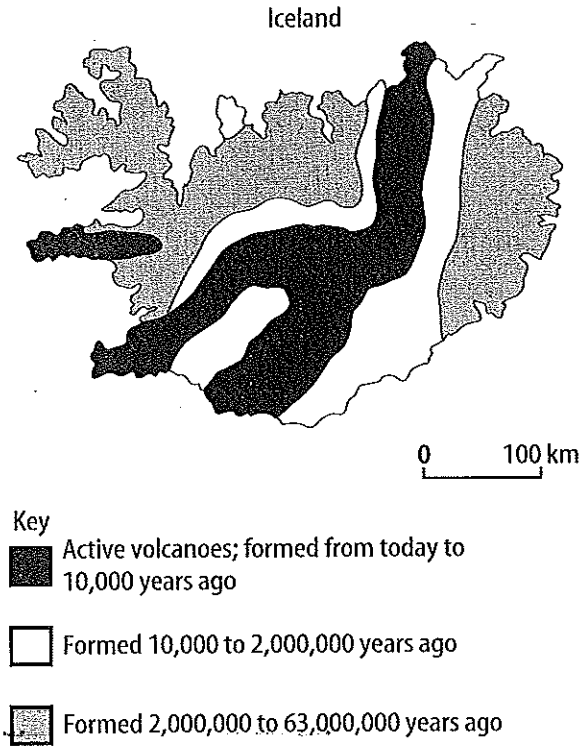


Figure 2



1. What is the name of the landmass through which the mid-ocean ridge in the Atlantic Ocean passes?

2. How do the land structures of Iceland help confirm seafloor spreading?

3. Why do you think geologists might find Iceland a useful place to conduct research on seafloor spreading?