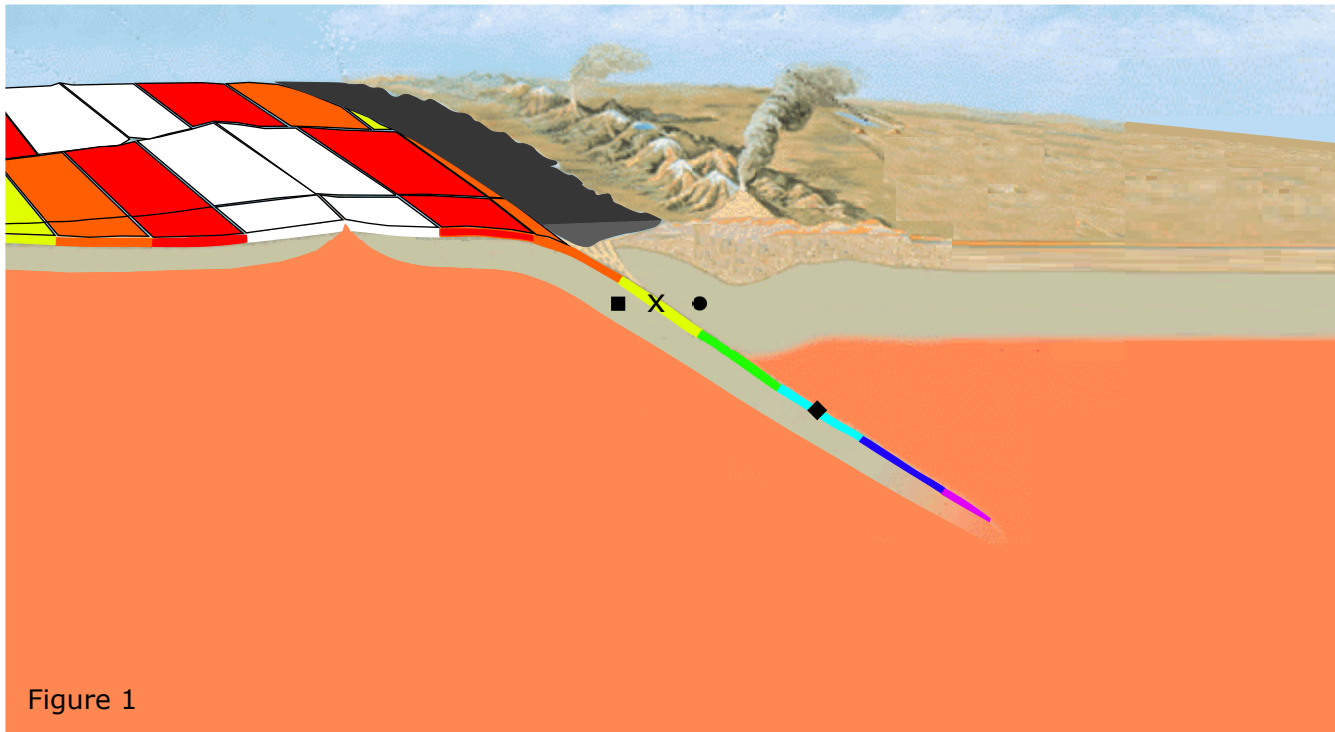


CROSS-SECTIONAL REPRESENTATION OF EARTH (WITH TIME INTERVALS)



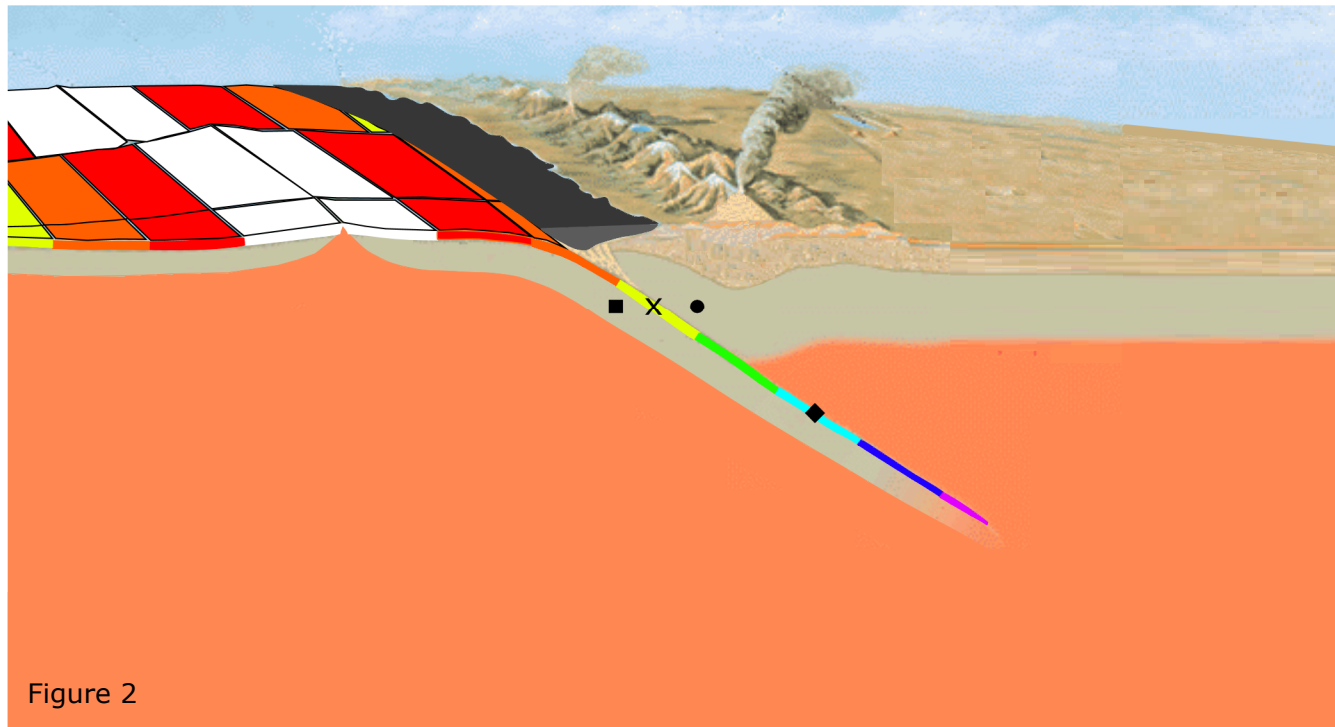
Age of ocean floor

0 - 5 my	20 - 25 my
5 - 10 my	25 - 30 my
10 - 15 my	30 - 35 my
15 - 20 my	35 - 40 my
> 100 my	

This ocean floor has been moving under this continent for 80 million years.

Each of the four symbols, ■ X • ◆, marks a rock at its current location.

my = million years



QUESTIONS

FIGURE 1 – GOING BACK IN TIME

- 1a) On Figure 1, place each of the symbols, ■ × ● ♦ , where they would have been 20 million years ago.
- 1b) Twenty million years ago would the ocean floor under the continent have been longer, shorter, or the same length as it is in the figure? Please explain your reasoning.

FIGURE 2 – GOING FORWARD IN TIME

- 2a) On Figure 2, place each of the symbols, ■ × ● ♦ , where they will be 20 million years in the future.
- 2b) Twenty million years in the future, will the ocean floor under the continent be longer, shorter, or the same length as it is in the figure? Please explain your reasoning.