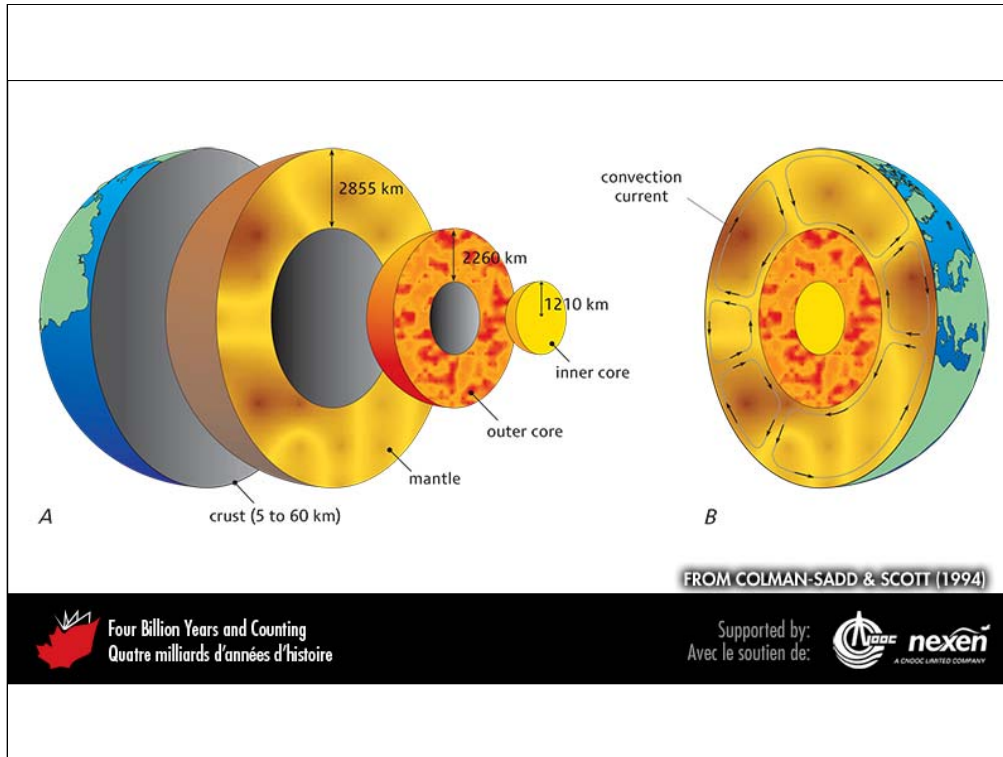


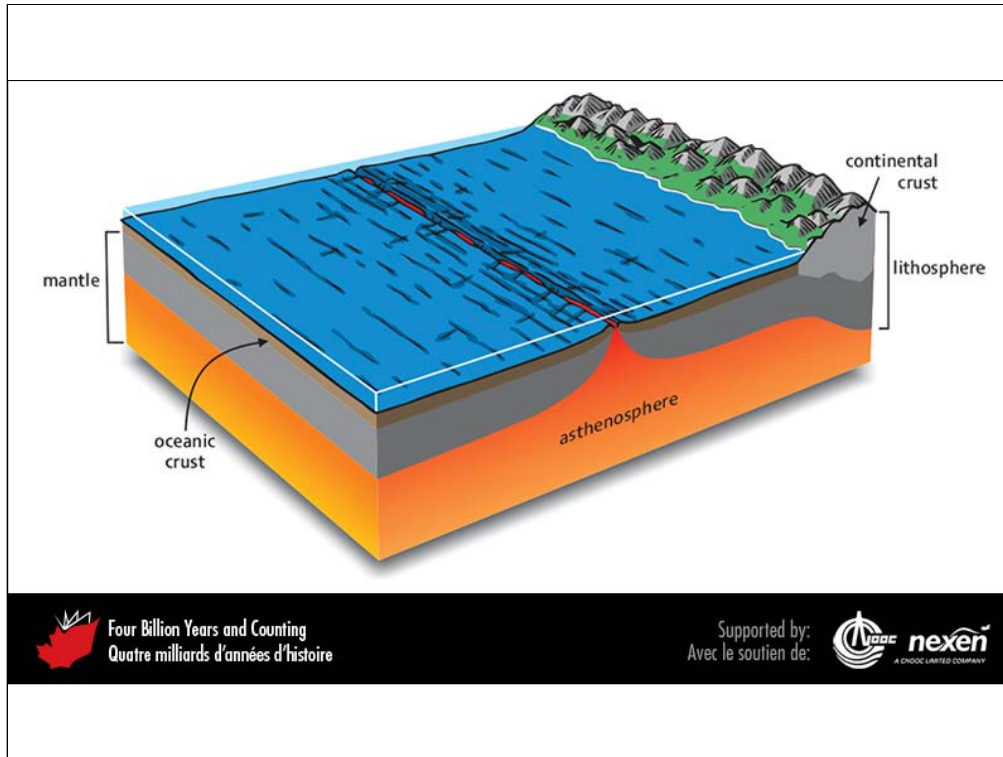
BOX 2

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Structure of the Earth. A shows approximate radius measurements of the different layers from crust to inner core. B shows the possible distribution of convection currents within the mantle. FROM COLMAN-SADD AND SCOTT (1994); USED WITH PERMISSION OF THE AUTHORS, THE GEOLOGICAL ASSOCIATION OF CANADA, AND THE GEOLOGICAL SURVEY OF NEWFOUNDLAND AND LABRADOR.

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Structure of the outer layers of the Earth in terms of both rock composition (crust versus mantle) and rock strength (lithosphere versus asthenosphere). The latter relationship is the most important when considering plate tectonics (Chapter 2) because the outer, stiff lithosphere, consisting of rigid crust and outermost mantle, forms plates that float on the more plastic asthenosphere.

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