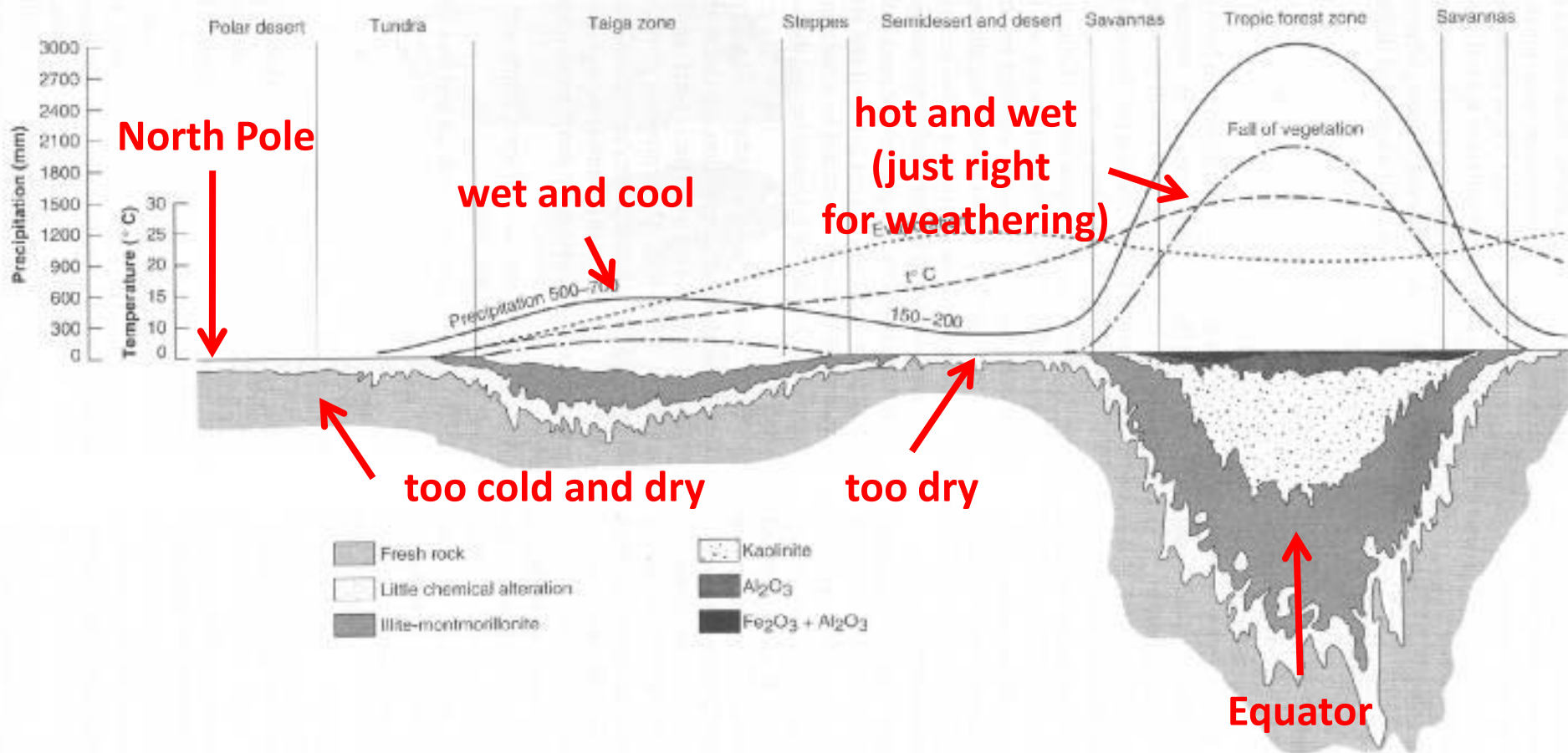


effects of climate on weathering intensity



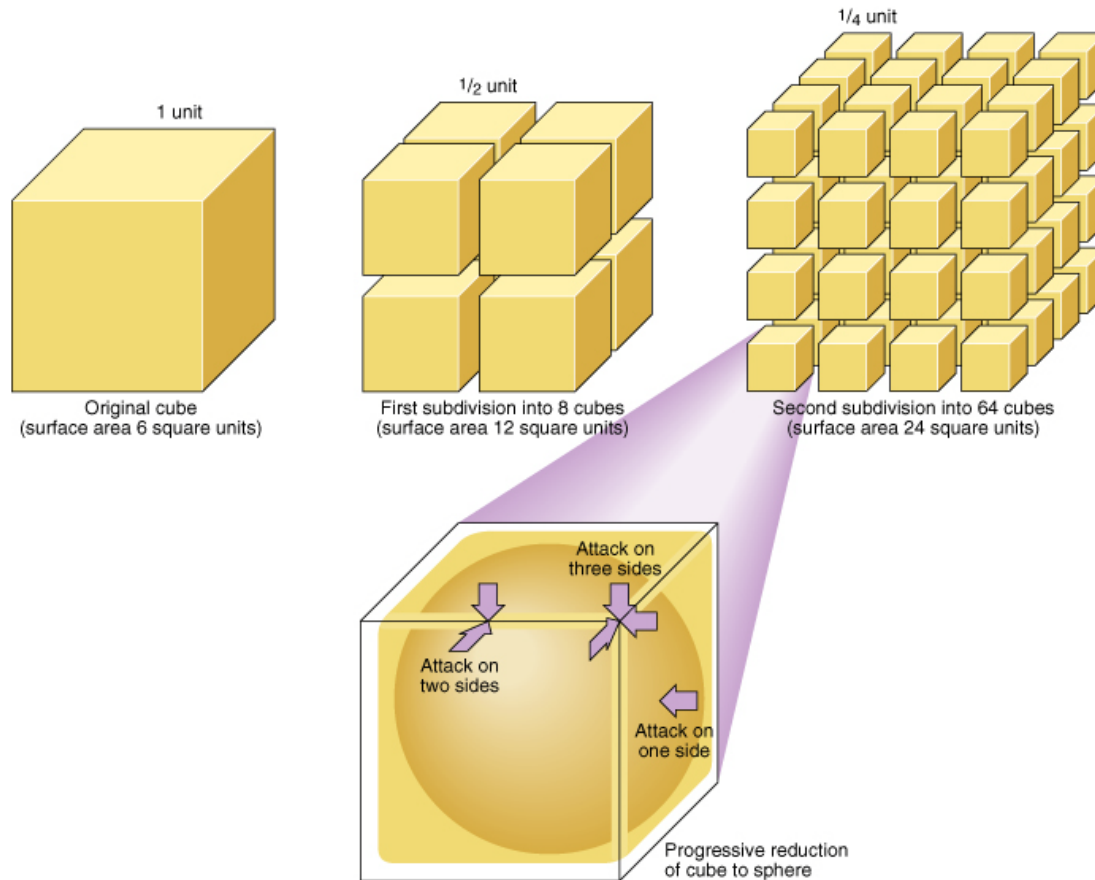
oxidation:
reddish
color



spheroidal weathering



spheroidal weathering



physical weathering produces angular
fragments



how to create a clastic sedimentary rock

- weather the parent material (create a clast)
- erode the clast off the slope
- transport the clast
 - high energy flow...
- deposit the clast
 - velocity is no longer able to carry it
- lithify the deposit
 - transformation of loose material into a coherent rock

transgression-regression sequence

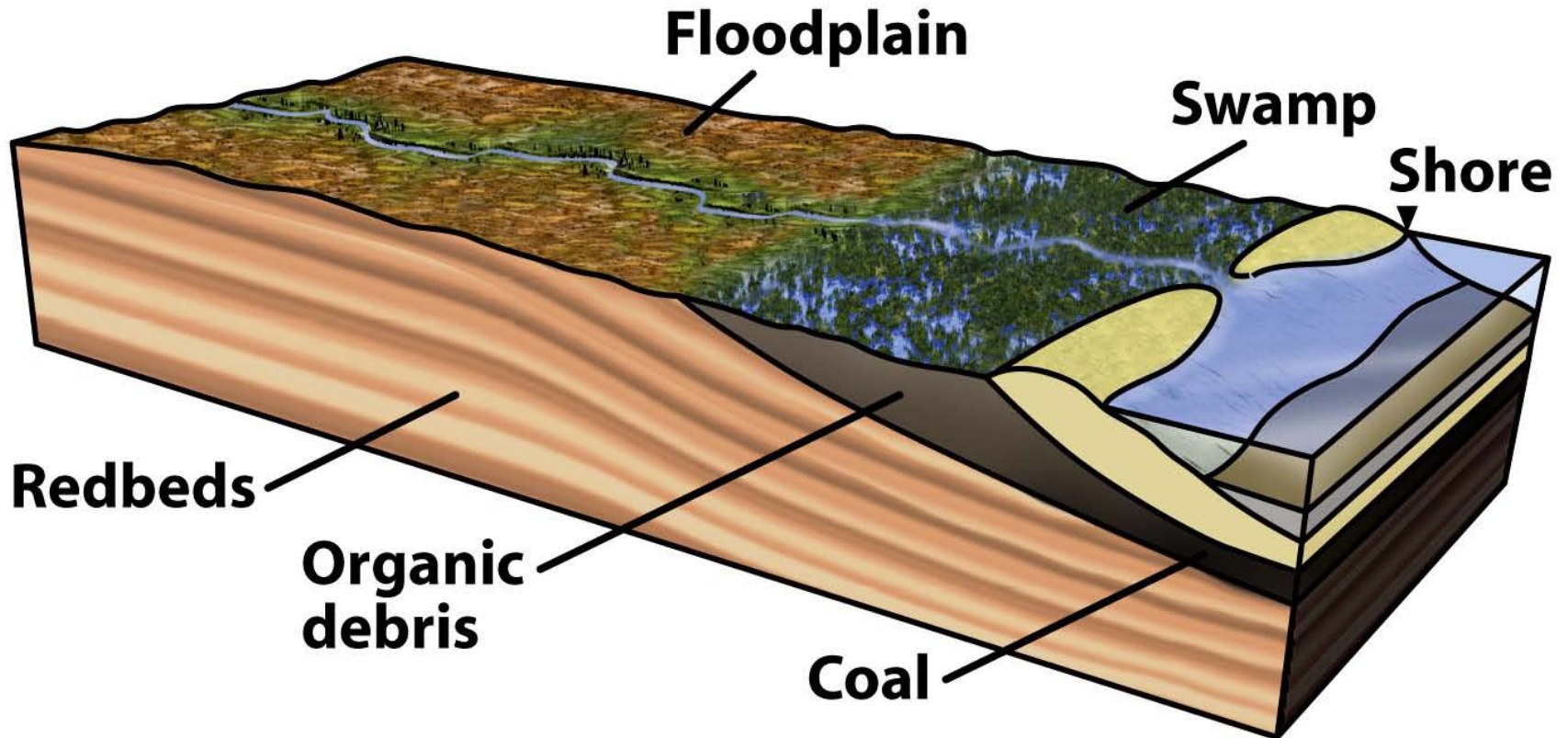


Figure 7-37 part 1 Earth: Portrait of a Planet 3/e
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subsidence

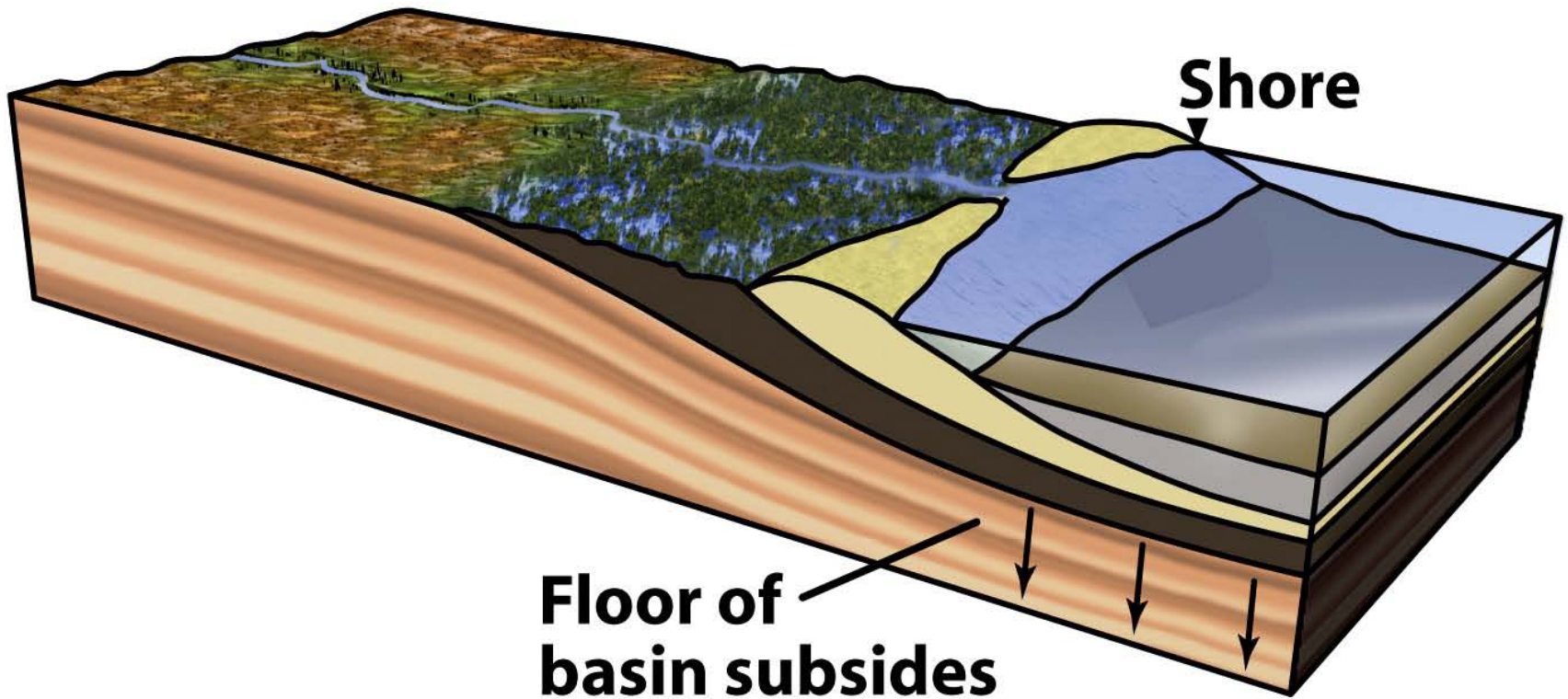


Figure 7-37 part 2 Earth: Portrait of a Planet 3/e
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transgression

Transgression

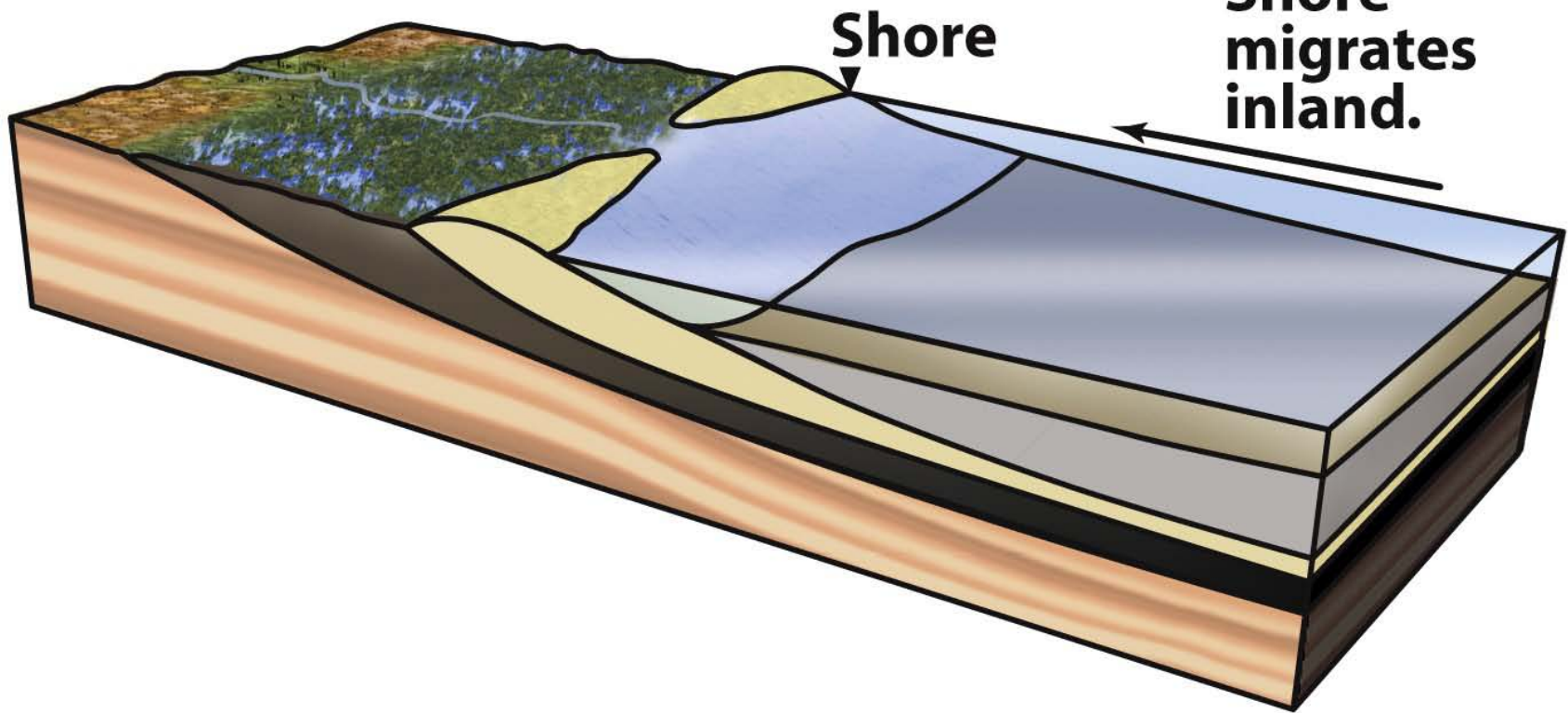


Figure 7-37 part 3 Earth: Portrait of a Planet 3/e
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regression

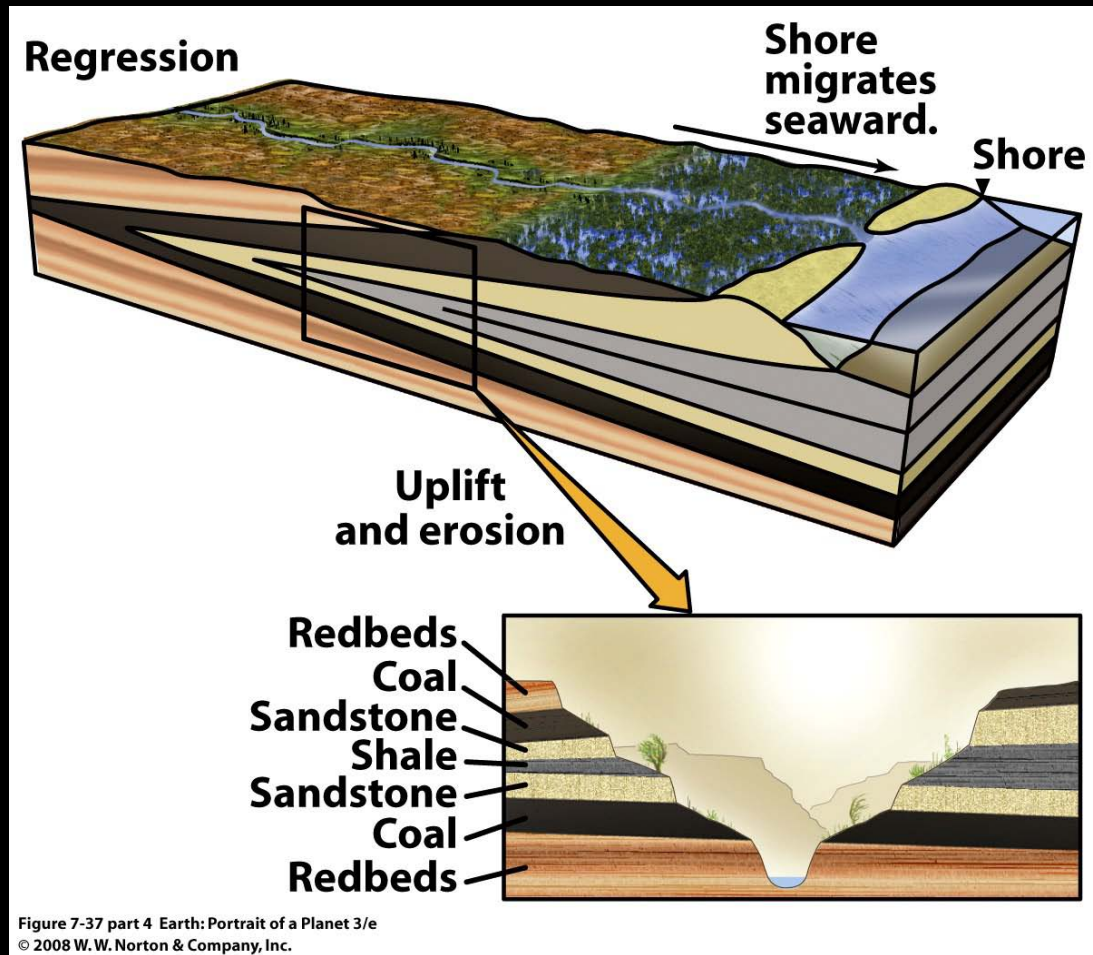


Figure 7-37 part 4 Earth: Portrait of a Planet 3/e
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