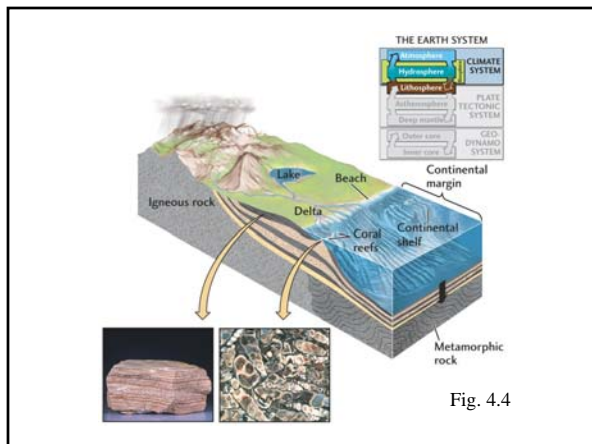


Sedimentary Rocks

- Rocks formed by consolidation of pieces of previously-existing rocks
- Chemical precipitation from solution



Metamorphic Rocks

Rocks formed by the transformation of previously-existing rocks in the solid state due to increased temperature and pressure.



Fig. 4.6

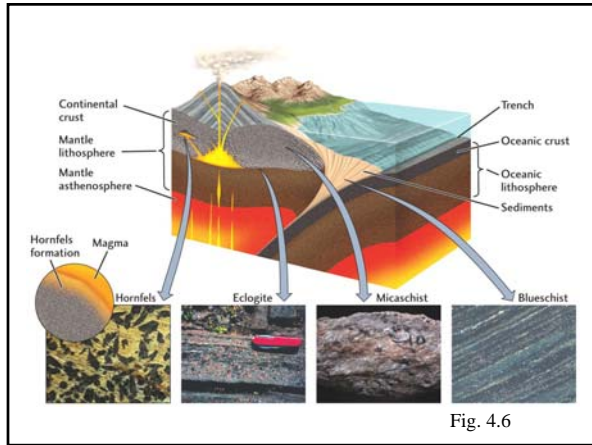


Fig. 4.6

Proportions of the Rock Types

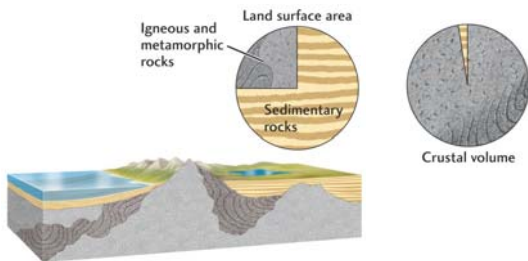


Fig. 4.5

Table 4-1 Some Common Minerals of Igneous, Sedimentary, and Metamorphic Rocks

Igneous Rocks	Sedimentary Rocks	Metamorphic Rocks
Quartz*	Quartz*	Quartz*
Feldspar*	Clay minerals*	Feldspar*
Mica*	Feldspar*	Mica*
Pyroxene*	Calcite	Garnet*
Amphibole*	Dolomite	Pyroxene*
Olivine*	Gypsum	Staurolite*
	Halite	Kyanite*

An asterisk indicates that a mineral is a silicate.

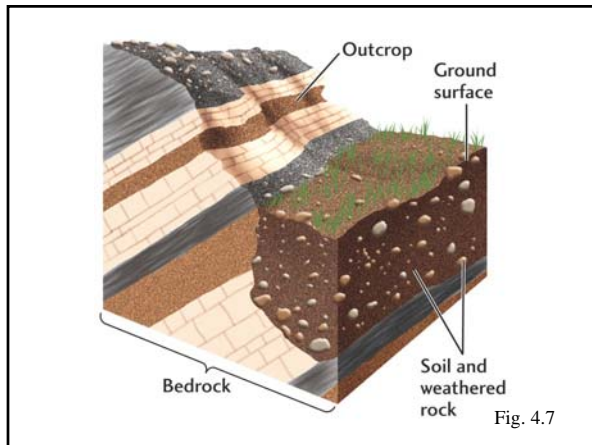


Fig. 4.7

D Shawangunk Mountains



Fig. 4.8

E Florida Keys



Fig. 4.8

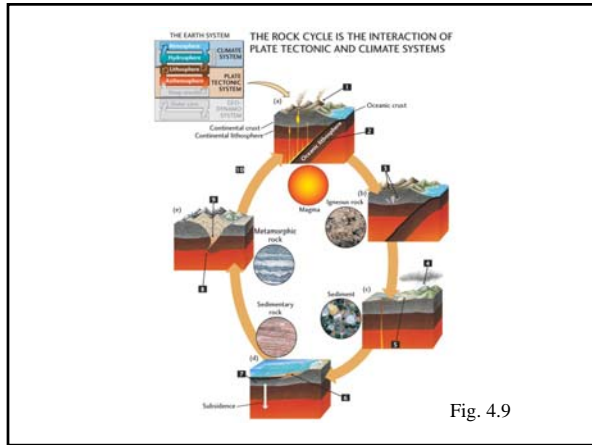


Fig. 4.9

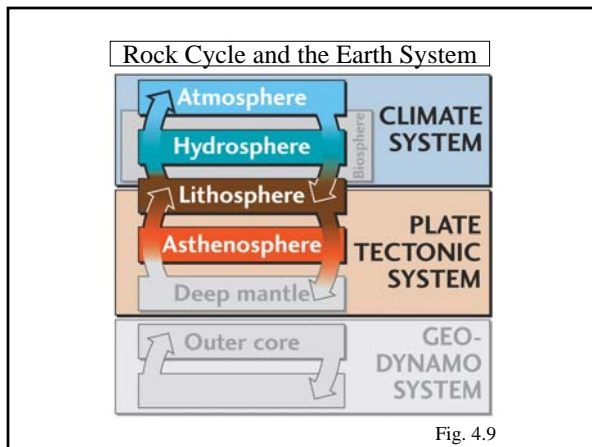


Fig. 4.9

