

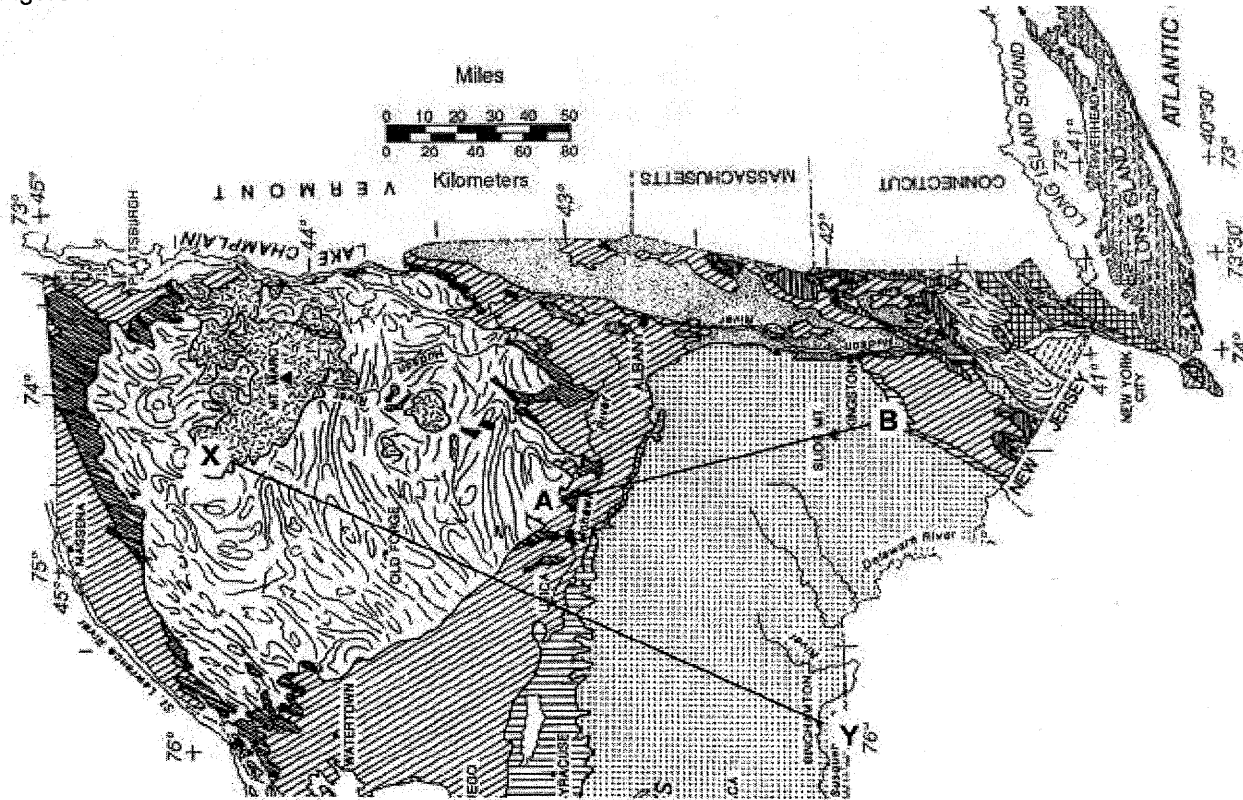
Regents Earth Science
NY Geologic X-Section

Name _____

Period _____

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Figure 1



GEOLOGICAL PERIODS AND ERAS IN NEW YORK

	CRETACEOUS, TERTIARY, PLEISTOCENE (Epoch) weakly consolidated to unconsolidated gravels, sands, and clays	} Dominantly Sedimentary Origin
	LATE TRIASSIC and EARLY JURASSIC conglomerates, red sandstones, red shales, and diabase (in Palisades Sill)	
	PENNSYLVANIAN and MISSISSIPPIAN conglomerates, sandstones, and shales	
	DEVONIAN } limestones, shales, sandstones, and conglomerates	
	SILURIAN } Silurian also contains salt, gypsum, and hematite.	
	ORDOVICIAN } limestones, shales, sandstones, and dolostones.	
	CAMBRIAN	} Dominantly Metamorphosed Rocks
	CAMBRIAN and EARLY ORDOVICIAN sandstones and dolostones <i>Moderately to intensely metamorphosed east of the Hudson River.</i>	
	CAMBRIAN and ORDOVICIAN (undifferentiated) quartzites, dolostones, marbles, and schists <i>Intensely metamorphosed; includes portions of the Taconic Sequence and Cortlandt Complex.</i>	
	TACONIC SEQUENCE sandstones, shales, and slates <i>Slightly to intensely metamorphosed rocks of CAMBRIAN through MIDDLE ORDOVICIAN ages.</i>	
	MIDDLE PROTEROZOIC gneisses, quartzites, and marbles <i>Lines are generalized structure trends.</i>	
	MIDDLE PROTEROZOIC anorthositic rocks	} Intensely Metamorphosed Rocks (regional metamorphism about 1,000 m.y.a.)

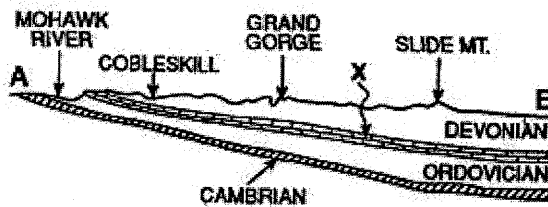


Figure 2. Cross section from A to B

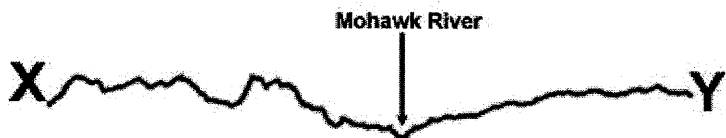


Figure 3. Surface topography from X to Y. YOU draw the cross section on this diagram!