# GEOLOGIC HISTORY OF NEW YORK STATE

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## Events in New York
- **65 million years ago:** Extinction of dinosaurs and ammonoids
- **54.8 million years ago:** Earliest flowering plants
- **33.7 million years ago:** Earliest placental mammals
- **251 million years ago:** First appearance of multi-cellular life
- **290 million years ago:** Inversion of Palisades sill
- **185 million years ago:** Earliest amphibians, ammonoids, sharks
- **130 million years ago:** Appalachian (Alleghanian) Orogeny caused by collision of North America and Africa along transform margin, forming Pangaea
- **119 million years ago:** Latest opening of Atlantic Ocean between Europe and Africa
- **104 million years ago:** Early mammals and first forest
- **96-0 million years ago:** Erosion of Adirondack region
- **87 million years ago:** Emergence of first terrestrial ecosystem
- **75 million years ago:** Development of passive continental margin
- **65 million years ago:** First appearance of mammals
- **50 million years ago:** Earliest dinosaurs and mammals with feathers
- **38 million years ago:** Earliest marine animals with shells
- **33.5 million years ago:** Earliest mammals
- **25 million years ago:** Earliest birds
- **20 million years ago:** Earliest fish
- **18 million years ago:** Earliest land plants and animals
- **16 million years ago:** Earliest insects
- **14 million years ago:** Earliest land plants and animals
- **10 million years ago:** Earliest dinosaurs and mammals
- **5 million years ago:** Earliest land plants and animals
- **4 million years ago:** Earliest land plants and animals
- **3 million years ago:** Earliest land plants and animals
- **2 million years ago:** Earliest land plants and animals
- **1 million years ago:** Earliest land plants and animals
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