Geological time scale 2013, in millions of years

This scale is by the **International Commission on Stratigraphy** (ICS). It is based on the ICS *International Chronostratigraphic Chart*, which is the standard time scale used by the Geological Survey of Canada, the Geological Society of America and most other geological organizations worldwide.

PHANEROZOIC EON 541-Present

Cenozoic Era 66.0-Present

Quaternary Period 2.59–Present

Holocene Epoch 13,500*- Present

Pleistocene Epoch 2.59-13,500*

Neogene Period 23.0–2.59

Pliocene Epoch 5.33-2.59

Miocene Epoch 23.0-5.33

Paleogene Period 66.0–23.0

Oligocene Epoch 33.9–23.0

Eocene Epoch 56.0-33.9

Paleocene Epoch 66.0-56.0

Mesozoic Era 252-66.0

Cretaceous Period 145-66.0

Late 101-66.0

Early (no middle) 145-101

Jurassic Period 201–145

Late 164–145

Mid 174–164

Early 201-174

Triassic Period 252-201

Late 237-201

Mid 247-237

Early 252-247

Paleozoic Era 541–252

Permian Period 299–252

Lopingian (Late) 260–252

Guadalupian (Mid) 272–260

Cisuralian (Early) 299–272

Carboniferous Period 359–299

Pennsylvanian Epoch 323–299

Mississippian Epoch 359–323

Devonian Period 419–359

Late 383–359

Famennian Age 372–359

Frasnian Age 383–372

Mid 393-383

Early 419-393

Silurian Period 443–419

Late (Pridoli) 423-419

Mid (Wenlock and Ludlow) 433–423

Early (Llandovery) 443–433

Ordovician Period 485–443

Late 458-443

Mid 470-458

Early 485–470

Cambrian Period 541–485

Furongian 497–485

Epoch 3 509-497

Epoch 2 521–509

Terreneuvian 541-521

PROTEROZOIC EON 2500-541

Neoproterozoic Era 1000–541

Ediacaran Period 635-541

Cryogenian Period 850-635

Tonian Period 1000–850

Mesoproterozoic Era 1600–1000

Stenian Period 1200–1000

Ectasian Period 1400–1200

Calymmian Period 1600–1400

Paleoproterozoic Era 2500–1600

Statherian Period 1800–1600

Orosirian Period 2050–1800

Rhyacian Period 2300–2050

Siderian Period 2500–2300

ARCHEAN EON 4000–2500

Neoarchean Era 2800-2500

Mesoarchean Era 3200–2800

Paleoarchean 3600-3200

Eoarchean Era 4000–3600

HADEAN EON 4567–4000

No eras or periods are defined in the Hadean. Scale begins when Earth and the other planets are fully formed from the pre-solar nebula, which took only about ten million years.

^{*}In calendar years. Same as 11,800 BP, where "BP" stands for "Before the present," meaning radiocarbon years.