

- Solar system, 23; density of, 24, 86; form and size of, 31; distribution of sea and land on, 33; earliest surface of, 33; movements of, 34; axis of, 36-42; changes of centre of gravity of, 43; eccentricity of orbit of, 37, 51; crust of, 87, 88, 101, 112; interior of, 89, 99, 100, 105; internal heat of, 92; rigidity of, 102, 106; age of, 107; sources of energy in, 325; origin of surface features of, 496, 1753; contraction of, 109, 498, 1755
- Earthquakes, 459; amplitude of earth-movements in, 461; velocity of, 462; duration of, 463; influenced by geological structure, 464; sometimes arise from volcanic action, 353; extent of country affected by, 466; geological effects of, 468; distribution of, 473; origin of, 474, 627; jointing of rocks referred to, 880; sandstone dikes produced by, 965; destruction of life by, 1074
- Earth-pillars, 603
- Earth-worms, geological action of, 598, 601, 794
- Eatonia, 1278
- Ecculiomphalus, 1247
- Echini, embryonic development of, 1108
- Echinids, Cretaceous aspect of deep-sea forms of, 1526
- Echinobrissus, 1461, 1527
- Echinoconus, 1524*
- Echinocorys, 1524*
- Echinoderms, fossilization of, 1082; maximum development of, 1343
- Echinoids, early predominance of, 1461
- Echinospatangus, 1546
- Echinospherites, 1237
- Ecliptic, change in obliquity of, 38
- Eclogite, 315
- Edmondia, 1345, 1398
- Efflorescence products, 576
- Egeln, Oligocene beds of, 1626
- Eifel, volcanoes of, 337, 343, 363, 400, 410, 417, 973
- Eifelien, 1305
- Elæolite, 134
- Elæolite-syenite, 285
- Elasmosaurus, 1535
- Elbe, discharge of, 635; influence of man on, 635; mineral matter dissolved in, 642; sediment suspended in, 650
- Elements, chemical, 112, 123
- Elephas, 1650*, 1700
- Elephas antiquus, Age of, 1742
- Elevation, at volcanoes, 395, 427; by earthquakes, 472 (see Upheaval)
- Elevation-crater theory, 385, 411
- Elgin Sandstone, 1430
- Elginia, 1430
- Em, Irish, 806, 1742; final extinction of, 1744, 1745
- Ellipsocephalus, 1205*, 1208
- Elm, fossil, 1569, 1589, 1648
- Elonichthys, 1373
- Elotherium, 1645
- Elton Lake, composition of water of, 694, 695
- Eluvium, 568
- Elvan, 277, 961
- Embryonic development, 1107
- Empyreumatic odor of rocks, 192
- Emyda, 1674
- Emys, 1575, 1621
- Enaliochelys, 1498
- Enaliornis, 1537
- Enaliosaurus, 1468, 1469*
- Enallocerinus, 1278
- Enchodus, 1532
- Encrinite Limestone, 246
- Encrinurus, 1239
- Encrinus, 1427*
- Endoceras, 1247