

- marine erosion, 750; influence of, on topography, 1774
- Struthio, 1672
- Struthiolaria, 1646, 1677
- Stylacodon, 1516
- Stylocœmia, 1606
- Styłodon, 1466
- Stylolites, 537, 857
- Stylonurus, 1239, 1324
- Subaerial denudation, influence of, in marine erosion, 749
- Sub-Carboniferous rocks, 1391
- Sublimates at volcanoes, 335, 389
- Sublimation, examples of, 129; experiments in, 517, 518
- Submarine volcanoes, 424
- Submerged forests, 489, 490*, 1084, 1729
- Subradiatus-zone of Ammonites, 1506
- Subsidence, 476, 489; proofs of, 489, 859; causes of, 494, 517; at volcanic vents, 395, 410, 415, 416; produced by earthquakes, 472; from underground solution, 623
— necessary for thick marine sedimentary formations, 1077; generally in excess of upheaval, 1756
— and deposition, 481, 496, 1077, 1339, 1756
- Subsoil, 226, 598*, 600
- Sub-stage, definition of, 1128
- Subulites, 1241
- Succinea, 1626, 1658
- Suessonian stage, 1611
- Suez Canal, saliferous deposits near, 696
- Sulcoretopora, 1344
- Sulphates, 143; reduction of, 586
- Sulphides, 144; weathering of, 584; reduced from sulphates, 765, 1407
— of iron, 129, 144, 765
- Sulphur, 112, 113, 116, 124, 586, 1629, 1666, 1670; at volcanoes, 335, 389, 399
- Sulphuretted hydrogen, 124, 586, 616; at volcanoes, 334, 389
- Sulphuric acid, 116, 118; in rain, 581; produced from sulphides, 584; at volcanoes, 335
- Sulphurous acid at volcanoes, 334
— odor of rocks, 192
- Sumach, fossil, 1648
- Sumbawa, eruption of, 366, 369
- Sumpter beds (Miocene), 1645
- Sun, density of, 24; composition of, 28–30; attractive influence of, on geological condition of earth, 46
- Sun-cracks in strata, 849, 851*, 852
- Sunlight, effects of, on minerals, 558
- Sunshine, influence of, in weathering, 589
- Superior, Lake, 684, 686; area of, 1727; terraces of, 1730
- Superposition, order of, 873; law of, 1089, 1121
- Sus, 1644, 1662
- Swallow-holes, 624
- Sweden, upheaval of, 489; subsidence of, 493 (*see under Scania and Scandinavia*)
- Switzerland, ice-barriers in rivers of, 648; lakes of, 671, 672, 682, 683; river-deposits of, 671, 684; glaciers of, 708; erratic blocks of, 716; giants' kettles of, 722; contorted rocks in, 899, 901; regional metamorphism in, 1032; pre-Cambrian rocks of, 1192
- Carboniferous, 1033, 1386; Trias, 1443; Jurassic rocks, 1035, 1509, 1512; Cretaceous, 1569; Eocene, 1609; Oligocene, 1627; Miocene, 1642; glaciation of, 1688, 1705; post-glacial records in, 1749
- Syenite, 284
- Syllæmus, 1532
- Symphtysurus, 1278
- Symplocos, 1599