

- Solva group, 1215
 Sonninia, 1513
 Sonstadt's solution, 156
 Sorex, 1662
 Sowerbya, 1498
 Spain, Cambrian rocks of, 1224; Silurian, 1282; metamorphosed Trias of, 1043
Spalacotherium, 1476
 Sparagmite, 233, 1191
 Sparodus, 1401
 Spars, 1053
 Spatangenkalk, 1570
 Spatangus, 1626, 1646
 Spathic iron ore, 143, 267
 Species, diffusion of, 1096; non-reappearance of, 1121-1123
 Specific gravity of rocks, 154, 192
 Spectroscope, applications of, 27
 Speeton Clay, 1500, 1544, 1545, 1567, 1572
Spermophilus, 1682, 1739
Sphaerexochus, 1239
Sphaerodus, 1532
Sphaeronites, 1237
Sphaerosiderite, 256, 267
Sphaerospongia, 1248
Sphaerulites, 1528
Sphagodus, 1242
Sphenacanthus, 1348*
Sphene, 129, 139, 1026
Sphenonchus, 1436
Sphenophyllum, 1234, 1352, 1408
Sphenopteris, 1317, 1349*, 1351, 1408, 1425, 1453, 1457*
Spheuozamites, 1455, 1458
 Spherulitic structure, 179*, 211*
 Spiders, fossil, 1357
Spilosite, 310, 1005
 Spilsby sandstone, 1546
 Spindle-trees, fossil, 1617
 Spinels, 130
Spirifer, 1240, 1297*, 1298, 1345*, 1398, 1411
Spiriferina, 1414, 1428, 1462*
Spirigera, 1298, 1411
Spirocyathus, 1206
Spirorbis, 1344
 Spitzbergen, action of frost in, 699; recent uprise of, 482, 488; "Heckla-Hook" group of, 1332; Carboniferous rocks of, 1388; Permian, 1417; Trias, 1451; Jurassic flora of, 1458; Miocene flora of, 1643
 Splendent lustre, 191
 Splintery fracture, 188
Spondylus, 1526*, 1527, 1634
 Sponges, supply silica to marine deposits, 825; fossil, 1206, 1235, 1426, 1525
Sporadoceras, 1299
 Springs, influence of volcanic eruptions on, 354; hot, 92, 402, 609, 617, 1766; influence of earthquakes on, 470, 471; give rise to deceptive appearance of subsidence, 490; formation of, 607*; temperature of, 609, 617; chemical action of, 611; kinds of, 613; mineral, 614; calcareous, 614; ferruginous or chalybeate, 615; medicinal, 616; preservation of organic remains in deposits of, 1074
Sprudelstein, 262
Squalodon, 1614
 Squirrels, fossil, 1593
Stachannularia, 1353
Stacheoceras, 1399
 Stage in stratigraphy, 1128
Stagodon, 1541
Stagonolepis, 1432
Stalactite, 262, 620*
Stalagmite, 262, 620, 1073, 1737
 Stampian stage, 1624, 1630
Star-fishes, fossil, 1206, 1208*, 1237, 1296
 Stars, spectra of, 30
Stauria, 1237