

- Ophioglypha, 1485
 Ophite, 212, 296
 Ophitic structure, 211*, 212, 271
 Opossums, fossil, 1592, 1618
 Oppellia, 1465
 Opponitz Limestone, 1446
 Oracodon, 1541
 Orbicula, 1225
 Orbicular structure, 180*
 Orbit, eccentricity of earth's, 36, 51
 Orbitoides, 1611, 1630
 Orbitoitic group, 1630
 Orbitolina, 1525
 Orbitolites, 1607
 Orbulina, 1426
 "Ordovician," 1230
 Ore deposits, 1048
 Oreas, 1674
 Oreodonts, 1645
 Oreti series, 1454
 Organic acids, action of, 584, 611, 679, 790, 791, 793, 810
 Organic evolution, in relation to geological time, 107, 108
 Organic matter, in rain, 583; reducing action of, 584, 765; abstracted by descending rain from soil, 611; action of, on sea-bottom, 829
 Organic remains, entombment of, 1071; preservation of, in mineral masses, 1078; relative palaeontological value of, 1081, 1095, 1105, 1111, 1242; breaks in succession of, 1100, 1123, 1126
 Organically-formed rocks, 243
 Oriskany Sandstone, 1310
 Ormoxydon, 1317
 Ornithomimus, 1593
 Ornithopsis, 1532
 Ornithotarsus, 1537
 Orohippus, 1110
 Orozoe, 1237
 Orthia, 1036, 1208*, 1209, 1239*, 1240*, 1298, 1344, 1411
 Orthisina, 1209
 Orthoceras, 1036, 1208*, 1209, 1239*, 1241, 1267*, 1299, 1347*, 1398, 1429
 Orthoceratite Limestone (Scandinavia), 1276, 1278
 Orthoceratites as type-fossils, 1090
 Orthoclase, 131; decay of, 203
 Orthoclase-porphry, 285
 Orthonota, 1241, 1267*
 Orthophyre, 285
 Orthoptera, fossil, 1318, 1357
 Ortonia, 1344
 Orycteropus, 1673
 Osborne Beds, 1619
 Osmunda, 1605, 1622
 Osseous breccias, 828
 Osteolepis, 1319*, 1321
 Ostrea, 1442, 1464*, 1465*, 1526*, 1527, 1590*, 1617*, 1634
 Otapiri series, 1454
 Otoceras, 1452
 Otodus, 1592*
 Otozamites, 1425, 1458, 1522
 Otter, fossil, 1635, 1662
 Ottrelite, 141
 Ottrelite-slate, 309
 Ottweiler Beds, 1385
 Oudenodon, 1431
 Outcrop, 889
 Overlap, 864
 Ovibos, 1662
 Ovula, 1655
 Owl, snowy, fossil, 1741
 Ox, fossil, 1651
 Oxford Oolites, 1482, 1494
 Oxfordian, 1481, 1494, 1505, 1509, 1511, 1513, 1516
 Oxidation, 584, 588, 618
 Oxides, 128, 219
 Oxygen in air, 64; in earth's crust, 112, 113; in rain, 581, 585; free, at volcanoes, 334; more soluble than nitrogen, 581