

Download An Age Of Fishes: The Development Of The Most Successful Vertebrate By...

The fish first appeared during the Cambrian Period. Whether fish first evolved in fresh or salt water is unclear from the fossil record. The jawless fish are the most primitive group, although they were a very important group during the Silurian and Devonian periods. Bony fish are also the most modern of the fishes (they evolved about 65 million years ago). The other common fish fossil in Arizona are the holosteans. Holosteans survive today as the garpikes (Lepisoste) which are also found as fossils in Arizona in rocks 225 million years old. The gar's scales are really tough being covered with a thick enameloid called ganoine which lies on a thick support ... Jawless fishes belong to the superclass Agnatha in the phylum Chordata, subphylum Vertebrata. Agnatha comes from the Greek, and means "no jaws". It excludes all vertebrates with jaws, known as gnathostomes. Although a minor element of modern marine fauna, jawless fish were prominent among the early fish in the early Paleozoic. Two types of Early Cambrian animal apparently having fins, vertebrate ... Below are links to the free, downloadable Word Doc and PDF versions of the latest edition (2014) of the Guidelines for the Use of Fishes in Research.. Both the Word and PDF versions contain useful internal and external hyperlinks.