

The thesis summarizes the current state of knowledge about the ontogeny of trilobites. The introductory chapters describe the basic morphology and anatomy of trilobites, and also mention their ecology, occurrence and feeding habits. In the main part of my thesis, I first summarized the existing research in this area, and also dealt in detail with methods of preservation of trilobite larvae, their reproduction, growth, embryology, postembryonal development, segmentation and ecology. I also mentioned the possible usage of this knowledge in other fields (stratigraphy, biogeography, etc.). The last section is a contemporary view on the systematics of trilobites and their position within the Arthropoda.