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Virtual paleontology is the study of fossils through three-dimensional digital visualizations; it represents a powerful and well-established set of tools for the analysis and dissemination of fossil data. Techniques are divisible into tomographic (i.e., slice-based) and surface-based types.

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Paleontology, also spelled palaeontology or palæontology (/ , p eɪ l i ɒ n ' t ɒ l ə dʒ i , , p æ l i -, -ən-/), is the scientific study of life that existed prior to, and sometimes including, the start of the Holocene Epoch (roughly 11,700 years before present). It includes the study of fossils to classify organisms and study interactions with each other and their environments (their ...

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