

3015
ADVANCED FOSSIL COLLECTION

Fossils are preserved remains of past life or trace evidence of such life. Rapid burial is a primary factor in fossilization. Marine plants and animals are fossilized more frequently than land organisms because they undergo rapid burial more readily. One of a number of processes may lead to fossilization. These processes may be as simple as the freezing of an animal or a complex as minerals filling voids in bone or shell of an organism.

<u>Kingdom</u>	<u>Phylum</u>	<u>Class or Order</u>	<u>Genus and Species</u>	<u>Age</u>	<u>Formation</u>	<u>Location</u>
1. Animal	Protozoa	Foraminiferida	<i>Orbitolina texana</i>	Cretaceous Period ---	Glen Rose	Comal Co., TX, USA
2. Animal	Protozoa	Foraminiferida	<i>Triticites sp.</i>	Pennsylvanian Period	---	Palo Pinto Co., TX, USA
3. Animal	Arthropoda	Trilobita	-unidentified trilobite-	Devonian Period	---	MOROCCO
4. Animal	Porifera	Calcarea	<i>Fissispongia sp.</i>	Pennsylvanian Period	---	Wise Co., TX, USA
5. Plantae	Chlorophyta	Dasctadophyceae	<i>Porocystis globularis</i>	Pennsylvanian Period	---	Texas, USA
6. Animal	Cnidaria	Anthozoa	<i>Thamnopora sp.</i>	Pennsylvanian Period	Vilas	Jackson Co, MO, USA
7. Animal	Cnidaria	Anthozoa	<i>Tabulophyllum sp.</i>	Mississippian Period	---	Millard Co., UT, USA
8. Animal	Brachiopoda	Articulate	<i>Atrypa sp.</i>	Devonian Period	Maider	MOROCCO
9. Animal	Brachiopoda	Articulate	<i>Platystrophia sp.</i>	Devonian Period	---	MOROCCO
10. Animal	Brachiopoda	Articulate	<i>Rhynconella sp.</i>	Cretaceous Period	---	MOROCCO
11. Animal	Mollusca	Bivalvia	<i>Ilymatogyra sp.</i>	Cretaceous Period	Glen Rose	Waco, TX, USA
12. Animal	Mollusca	Bivalvia	-unidentified clam-	Mesozoic Era	---	MOROCCO
13. Animal	Mollusca	Gastropoda	-unidentified snail-	Cretaceous Period	---	MOROCCO
14. Animal	Mollusca	Gastropoda	-unidentified snail-	Cretaceous Period	---	MOROCCO
15. Animal	Mollusca	Gastropoda	<i>Admetopsis subuliformis</i>	Cretaceous Period	Tropic	Utah, USA
16. Animal	Mollusca	Gastropoda	<i>Turitella sp.</i>	Tertiary Period, Eocene Epoch	---	Wyoming, USA
17. Animal	Mollusca	Cephalopoda	<i>Goniatile sp.</i>	Devonian Period	---	MOROCCO
18. Animal	Mollusca	Cephalopoda	<i>Ammonite sp.</i>	Devonian Period	Atlas Mtns	MOROCCO
19. Animal	Mollusca	Cephalopoda	<i>Orthoceras sp.</i>	Devonian Period	Atlas Mtns	MOROCCO
20. Animal	Echinodermata	Echinoidea	<i>Phymosoma texanum.</i>	Cretaceous Era	Comanche Peak	Mills Co., TX, USA
21. Animal	Echinodermata	Echinoidea	-sea urchin spines-	Pennsylvanian Period	---	Brown Co., TX, USA
22. Animal	Echinodermata	Echinoidea	<i>Heteraster texanus</i>	Cretaceous Period	Comanche Peak	Mills Co., TX, USA
23. Animal	Echinodermata	Crinoidea	<i>Scyphocrinites sp.</i>	Devonian Period	---	Alnif, MOROCCO
24. Animal	Chordata	Chondrichthyes	(tiger shark tooth)	Tertiary Period, Miocene Epoch	Bone Valley	South Florida, USA
25. Animal	Chordata	Chondrichthyes	<i>Osteichthyes</i> (stingray tooth)	Tertiary Period, Miocene Epoch	---	MOROCCO
26. Trace Fossil		Gastrolith	(gizzard stone)	Jurassic Period	---	Montana, USA
27. Animal	Chordata	Reptilia	dinosaur bone	Jurassic Period	---	Utah, USA
28. Plantae	Cyanophyta	---	-unidentified algae-	Tertiary Period, Eocene Epoch	---	Wyoming, USA
29. Plantae	Tracheophyta	Gymnospermopsida	<i>Alethopteris sp.</i>	Carboniferous Period	---	St. Clair, PA, USA
30. Plantae	Trachiohyta	Gymnospermopsida	-unidentified petrified wood-	Tertiary Period	---	East Texas, USA