

# Notes: Fossils

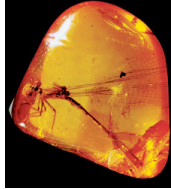
Name: \_\_\_\_\_

**Fossils** - the \_\_\_\_\_ or \_\_\_\_\_ of living things

Types of Fossils: *Original remains, replaced remains, molds and casts, trace*

1. \_\_\_\_\_ - \_\_\_\_\_ remains of plants and animals. Examples:

- \_\_\_\_\_: Bones, Shells
- Animals trapped in \_\_\_\_\_: Woolly Mammoth
- Animals trapped in \_\_\_\_\_ or in \_\_\_\_\_.



fly in Amber



shark tooth



Saber tooth



shells



Woolly Mammoth in ice



La Brea tar pits

2. \_\_\_\_\_: Hard parts of plants or animals are \_\_\_\_\_ over time. The minerals are in the shape of the organism. **The fossil turns to stone!**

—This occurs when \_\_\_\_\_ seeps through the plant/animal material.

— \_\_\_\_\_ forms in this way



Petrified wood



Petrified Ammonite



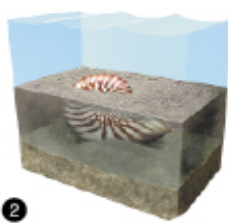
Petrified Dragonfly



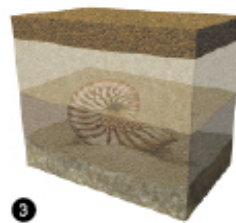
Petrified forest wood



1



2



3



4

**3 & 4. Molds and Casts:** Impressions and copies

- Molds are created as \_\_\_\_\_ becomes \_\_\_\_\_ around dead organisms.
- Casts are created as \_\_\_\_\_ get deposited into the molds and then harden. They make a \_\_\_\_\_ of the fossil.
- Example: **Ice cube tray**= \_\_\_\_\_, and **Ice**= \_\_\_\_\_
- Example: Cast of an \_\_\_\_\_.



Ammonite mold



Ammonite cast



Trilobite Mold

Trilobite Cast



Shell mold

5. \_\_\_\_\_ : Evidence of organisms

— \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_  
 — \_\_\_\_\_ film: thin film of \_\_\_\_\_ resembling a silhouette of the organism



Shark teeth marks in Alligator dung

T-Rex Footprint

Crab burrow

Carbonaceous Film, leaf

Carbon Insect

**Questions:**

- Fossils are usually formed when the organism dies and gets buried in mud or sand. As a result, what type of rock are fossils usually found in? \_\_\_\_\_
- Why are fossils usually not found in igneous rock? \_\_\_\_\_
- What 4 settings could fossils be preserved? \_\_\_\_\_
- What are the 5 types of fossils? \_\_\_\_\_

**Index fossils:**

INDEX FOSSILS

Walking out over the fields, you pick up an old bone. Can you date when the animal died? No, you cannot. Nearby you see a large tree. Without cutting it down, can you date when, many decades ago, it first sprouted? No. Yet evolutionists claim to approximately date to MILLIONS of years in the past — solely on the basis of certain ocean fossils! Here are some of those fossils:

<b>CENOZOIC ERA</b> (AGE OF RECENT LIFE)	QUATERNARY PERIOD	PECTEN	NEPTUNEA	
	TERTIARY PERIOD	CALYPTROPHORUS	VENERICARDIA	
<b>MESOZOIC ERA</b> (AGE OF MEDIEVAL LIFE)	CRETACEOUS PERIOD	SCAPHITES	INOCERAMUS	
	JURASSIC PERIOD	PERISPHINCTES	NERINEA	
	TRIASSIC PERIOD	TROPHITES	MONOTIS	
<b>PALEOZOIC ERA</b> (AGE OF ANCIENT LIFE)	PERMIAN PERIOD	LEPTODUS	PARAFUSULINA	
	PENNSYLVANIAN PERIOD	DICTYOCLOSTUS	LOPHOPHYLLIDIUM	
	MISSISSIPPIAN PERIOD	CACTOCRINUS	PROLECANITES	
	DEVONIAN PERIOD	MUCROSPIRIFER	PALMATOLEPUS	
	SILURIAN PERIOD	CRYPHOPHYLLUM	HEXAMOCERAS	
	ORDOVICIAN PERIOD	BATHYURUS	TETRAGRAPTUS	
	PRECAMBRIAN ERA	—	PARADOXIDES	BILLINGSSELLA