## Fossil Identification Activity

Team Member's Names: (Each Name is in a different font Color)

**Fossils** are the remains, imprints, or traces of organisms that once lived and are now preserved in the Earth's roci to ord. Understanding fossils can help scientists gain insights about the relative time in which the organism lived and what type of environment they feed a. Must traces of organisms do not survive. Discuss the following questions with your group and write down some of the thoughts or ideas you much have

- 1. What could be some reasons why most evidence of prehistoric organisms don't survive?
- 2. In order to become a fossil, what do you think must happen to the organism quickly? Qo and your inswer.
- 3. What parts of an organism do you think have the best chance of becom good vized
- 4. In what type of rock would you most likely find a fossil? you ous flets for the sore the sore that the sore the

There are five main types of fossils. To learn more about the rest the following website and then fill out the table. http://earthscience.xyz/GeologicHistory

Fossil Type	Real Picture Example
Cast and Molds	
Permineralization and Replacement	
Carbon vation	
Un red air a	
race Pos vils	

5. What is the difference by ween a cast and a mold?

Your team will be given 8 fossils. Be careful as some of them are very small and brittle. Your job is to do your best to identify your fossils and find information about them.

Fill out the following table.

- a. Hints:
  - i. Use the shared document called Fossil Book.
  - ii. Use the website: Fossil ID
  - iii. Use this document: <u>SAFossils Website</u>
  - i. Use the FossilGuy Fossil Sheets: Fossil Sheets Page

							hist
Fossil Number	Name or names of fossils. (Phylum, class, order, Genus, Species)	In which time period did it live. Years and/or Period.	In what type of environment would it have lived?	How would it have moved if it moved?	What would it have aten?	t ty e o fossil is it Peri ineralized/ Re la ent, trace, an inaceous, mold, cast)	Picture of what it might have looked like or an actual fossil image.
				prove prove	CIM.		
			Mal.				
			500	Mar -			
		6		Ì			
			Ora				

6. Discuss with you team, with aleontologists (somebody who studies prehistoric life) do what they do? Why study fossils? For what purpose? Write down some the asons you came up with.