Geology 12	name:
Unit 1 – Fossils	Date:
Day 1 – Fossils	Block:
Fossil:	
the preserved remains of ancient organisms normally found within sedin	mentary rocks
Background:	
Organisms appear at varying times in geologic history and go extorganisms also change in appearance through time. change, and extinction of thousands of fossil organism pattern of organisms preserved through geologic times.	This pattern of the appearance, ns creates a recognizable
Types of Fossils: A FOSSILis the remains or evidence of a —bone of an organism or the print of a sh —burrow or tunnel left by an ancient worn —most common fossils: bones, shells, po	m
Examples of Different Kinds of Fossils: Petrification: the process by which plant of stone over time. The remain and filled in with stone or oth	or animal remains are turned into
A CAST Examples of different kinds of	he shape of the organism that was once there. of fossils of the organism that was once there. in mold. Mineral deposits can often form casts
Imprints: Thin objects, such as leaves and or impressions, in soft sediments When the sediments harden into	

Dating using fossils:		
rocks of the		
same age likely contain similar fossils and we can use these fossils to date sedimentary rocks.		
this is know as the		
Law of Faunal Succession:		
Index Fossils: organisms that we are likely to find because they were abundant when they were alive and were likely to become fossils (for example, having a robust		
skeleton). These organisms often have a large geographic range so they can be		
used as an index fossil in many different areas.		
— they should also have a		
be more precise in the age of the rock if we find the fossil. Index fossils are often		
the quickest and easiest way to date sedimentary rocks precisely and accurately		
Paleontologist:		
Scientist who studies fossils (classifies fossils).		