

What organisms are you looking for?

- An ammonite (Phylum: Mollusca, Class: Cephalopoda, Subclass: Ammonoidea)
  - A sea snail (Phylum: Mollusca, Class: Gastropoda)
  - A crinoid (Phylum: Echinodermata, Class: Crinoidea)
  - A clam (Phylum: Mollusca, Class: Bivalvia)
  - A trilobite (Phylum: Arthropoda, Class: Trilobita)
- a. Ammonoidea (*Placenticeras* sp.), Cretaceous, South Dakota
  - b. Gastropoda (*Turbo* sp.), unknown locality
  - c. Crinoidea (*Batocrinus hercules*), CAST, Mississippian, Indiana
  - d. Bivalvia (*Inoceramus* sp.), Cretaceous
  - e. Trilobita (*Phacops rana milleri*), Devonian, Ohio

a.



b.



c.



d.



e.



### Geologic Time Scale

EON	ERA	PERIOD	EPOCH	Ma		
Phanerozoic	Cenozoic	Quaternary	Holocene	0.011 -		
			Pleistocene	Late	0.8 -	
		Early		2.4 -		
		Tertiary	Neogene	Pliocene	Late	3.6 -
					Early	5.3 -
				Miocene	Late	11.2 -
					Middle	16.4 -
			Paleogene	Oligocene	Early	23.0 -
					Late	28.5 -
				Eocene	Early	34.0 -
					Middle	41.3 -
					Late	49.0 -
				Paleocene	Early	55.8 -
		Late	61.0 -			
		Mesozoic	Cretaceous	Early	65.5 -	
				Late	99.6 -	
				Jurassic	Early	145 -
	Middle				161 -	
	Late				176 -	
	Triassic			Early	200 -	
			Middle	228 -		
			Late	245 -		
	Paleozoic		Permian	Early	251 -	
				Middle	260 -	
				Late	271 -	
			Pennsylvanian	Early	299 -	
				Middle	306 -	
				Late	311 -	
			Mississippian	Early	318 -	
				Middle	326 -	
				Late	345 -	
			Devonian	Early	359 -	
				Middle	385 -	
	Late	397 -				
	Silurian	Early	416 -			
		Late	419 -			
	Ordovician	Early	423 -			
		Middle	428 -			
		Late	444 -			
	Cambrian	Early	488 -			
		Middle	501 -			
		Late	513 -			
				542 -		

AMMONITE	
What is it called?	
Is it a fossil?	
What time period is it from?	
Where was it collected?	
How was it preserved?	
Draw it!	

SEA SNAIL	
What is it called?	
Is it a fossil?	
What time period is it from?	
Where was it collected?	
How was it preserved?	
Draw it!	

CRINOID	
What is it called?	
Is it a fossil?	
What time period is it from?	
Where was it collected?	

How was it preserved?	
Draw it!	

**CLAM**

What is it called?	
Is it a fossil?	
What time period is it from?	
Where was it collected?	
How was it preserved?	
Draw it!	

**TRILOBITE**

What is it called?	
Is it a fossil?	
What time period is it from?	
Where was it collected?	
How was it preserved?	
Draw it!	