				are there				
				modern				
number	Common Name	Genus	species	descendents	formation	Age	Location	preservation
You ma	y obtain a fresh copy	of this data sheet fror	n the education	section on www	w.hgms.org			
Excelle	nt Web reference to in	vertebrate paleontolo	ду					
	http://www.geo.ute	xas.edu/courses/422	2K/Outlines.htr	m#OUTLINE	_1			
KINC	JOM PROTIS	ГА						
								-
						middle	Lake	original shell
1	Fusulinid			no	several	Pennsylvanian	Brownwood, Tx	material
	Fusulinids are single You will see a highly	complex structure the	at is the walls the	e animal lives i		bard and grind it i	n half with a piece	of sandpaper.
	http://www.kgs.ku.		cient/106_fusu	in.ntmi				
KINC	DOM PLANTA	E						
_							Hill Country of	
2	algae fruiting body	Porocystis	globularis	no	Glen Rose	Cretaceous	Texas	external cast
	This is a strange foss		st the internal ca	ist of the body	that has been fil	led with lime mud	d. There is very litt	le structure
-	except for the dimple		/	1 - 1 - 1 - 1 - 1 - 1 - 1				
	http://www.cretace		1 1 -0	lobularis.htm				
KINC	DOM PLANTA	E, Polypodiophy	ta					
					Francis Shale			
					Creek			
					Member of			
					the			
					Carbondale	and all all a	Mazon Creek,	
3	fern	Percopteris		100	Formation	middle Pennsylvanian	Illinois	Carbon film
3				yes		,		
	Ferns have not chang bottom. The decay of							
3	protected the remains				it that caused th	e precipitation of	sidente (non carb	onate) that
-	http://www.museum				creek html			
-	*							
NINC	GDOM PLANTA	E, Gynnosperi						
4	conifer			yes			Lowertz, Ok	carbonized wood
4	Evergreens like pine with a microscope or							
	conifer	ny a juniper. it nas the	e common smail	yes ceii size. it na	Catahoola s been preserve	Oligocene a because the ce	Jasper, Tx	silicified a with silica in a
	http://www.botany.		/BOT251/TE~:	1d/Rot 251 10	~ 30.2 ndf			1
			1001231/11/01	IU/ DUL231_IE	-2.pui			
KINC	GOM PLANTA	E, Angiosperm						

5	palm			yes	Yegua	Eocene - Oligocene	Bryan, Tx to Jasper, Tx	silicified
	Palm trees are very	different from hardwoo	ods and conifers	. They grow o	nly at the top a	nd do not show an	y growth rings. Th	is rock is a pied
5	of palm that has bee	en cut across the grain	. The dots are th	ne vascular sy	stem that pass	water up and dow	n the trunk.	
5	http://waynesword	.palomar.edu/trjune9	9.htm					
	hardwood	<u> </u>		ves	Catahoola	Oligocene	Jasper, Tx	silicified
	Hardwoods have a r	nuch greater variety of		,				
		nany sizes for different	functions.		I		1	1
55	hardwood			yes	Yegua	Eocene	Bryan, Tx	silicified
		nuch greater variety of		ers. Look at th	ne cells with a n	nicroscope. Trees	like oaks are hard	woods. Hardw
55	trees have cells of m	nany sizes for different	functions.				11	1
7	h and				Ostabasla		Huntsville, Tx,	a a sha a sa Ghaa
/	hardwood	nuch grooter veriety of	f aalla than aanif	yes	Catahoola	Oligocene	Blue Lagoon	carbon film
7		nuch greater variety of		ers. Look at tr	ie celis with a n	nicroscope. Trees	like oaks are hard	woods. Hardw
		hany sizes for different						
	- ·	.palomar.edu/trjune9						
ING	GDOM ANAMA	LIA, PHYLUM	PORIFERA:					
-							Mineral Wells,	permineralize
43	sponge	Wewokella		у		Pennsylvanian	Tx	with calcite
	This sponge has cal	cite rods in its tissues	to provide struct	tural support. I	n life, the spon		enter which has co	llapsed during
43	burial process. You	can see spicules on th	e surface.					
							Lake Bridgeport,	permineralize
48	sponge	Maeandrostia				Pennsylvanian	Tx	with calcite
48	A simple stick like sp	oonge. You can see th	e external water	intake pores	on the outside	of this sponge as I		
							Lake Bridgeport,	permineralize
	sponge	Girtyocoelia				Pennsylvanian	Тх	with calcite
49	Each of the "peas" is	s a feeding chamber w	here cells comb	food out of th	e water sucked	I into the sponge.		
							Lake Bridgeport,	
50	sponge	Girtycoelia				Pennsylvanian	Tx	with calcite
50	Compare this to #49	. The tissue surroundi	ng the "peas" ha	as been prese	rved. Each bul	ge is a chamber lii	ned with feeding co	ells.
							Lake Bridgeport,	permineralize
	sponge	Coelocladia				Pennsylvanian	Тх	with calcite
51	The water intake por	res on this sponge are	very visible as	spiky points.				
							Lake Bridgeport,	permineralize
52	sponge	Fissispongia				Pennsylvanian	Tx	with calcite
		oonge. You can see th			on the outside	of this sponge as I	ittle spikes.	
		.edu/Extension/fossi						
52	http://www.oceani	cresearch.org/sponge	es.html					
ING	DOM ANAMA	LIA, PHYLUM	CNIDARIA:	anthrozoa	:			
		, 					Jacksboro	original shell
15	Conularid	Conularia		n	Finis shale	Pennsylvanian	spillway, Tx	material
				1				1
	A complete specime	n of these Conularid h	as a 4 piece hin	iged cap on th	e big end. Ther	e are no living rela	atives. We do not l	now what thes
15	animals really are. T	he shell is calcium pho	osphate which w	veathers to a b	luish color.	-		
	-	•						

					Gunsight			
					-			
					Limestone			
					Member of		Pk Rd 15 near	
					the Graham		Lake	original shell
16	horn coral	Lophophyllidium	spinosum	У	Fm.	Pennsylvanian	Brownwood, Tx	material
	Ancient corals were p							
	coral has a horn shap	-				y processes to h	elp keep the anim	al upright.
16	http://pls.atu.edu/ph	nysci/geology/peopl	e/baker/geol31	24/introcnida	ria_htm.htm			
							Stiren Beach,	original shell
17	palmate coral	Acropora	palmata	у		Pleistocene	Maryland	material
17	This is a colonial cora	al. Each pore you see	is a separate ar	nimal. Today tł	nese live behind	the reef in quiet	water.	I
17	http://www.uvi.edu	/coral.reefer/						
	1				Gravel Point,			
					Traverse		Little Traverse	original shell
18	petoskey stone	Hexagonaria	pericarnata	у	Group	Devonian	Bay, Mi	material
	This is devonian colo		ts bigger than yo	our hand. Look	at the top and y	ou will see that e	ach animal has ra	dial septa. Thes
	septa are present in e							
18	http://www.boyneco	ountry.com/faq/faqi	nain.html					
45	horn coral	Caninia	torquia	v	Gunsight Limestone Member of the Graham Fm.	Pennsylvanian	Pk Rd 15 near Lake Brownwood, Tx	replaced by calcite
				,		, ,		ouloito
	This coral is usually f			to wave action	. The external s	urface is worn off	by being tumbled.	I
45	http://www.kgs.ku.	edu/Extension/fossi	ls/coral.html					
KING	DOM ANAMA	LIA, PHYLUM	Brachiopoda					
					Gunsight			
					Limestone			
					Member of			
					the Graham		Pk Rd 15 near Lake	original shall
10	brachiopod			N/	Fm.	Pennsylvanian		original shell material
	Look at the small end	l or beak of the shell :	and you will see	y a hole. The hr			,	
	to knock off sediment					supright of this h	nuscie. It can wigg	
12	http://www.palaeos	.com/Invertebrates/	Brachiopods/bi	rachiopoda.ht	m			
47	brachiopod	Chonetes		v		Pennsylvanian	Mineral Wells, Tx	original shell material
			1	1	1		1 -	
	There are lots of shap	pes of brachiopods. T	hey all have two	shells that are	e symmetrical pe	erpendicular to th	e hinge line.	
	http://www.fallsoftl	heohio.org/educatio	n/Brachiopods.	.html				
KING	DOM ANAMA	LIA, PHYLUM	Bryozoa					
								original shell
	archimedes spiral	Archimedes		n	L	Mississippian	Orange Co, Ind	material
	This spiral is just the				a animal is colon	al and lives on a	tan on the out sid	e of the spiral.
8	http://tolweb.org/tre	ee?group=Bryozoa&	contgroup=Bi	lateria				

9 massive bryozoa n Fm. Silurian Decatur Co, Ind material 10 massive bryozoa n Richmond, Ind material original she 42 massive bryozoa Heterotrypa subfrondosa n Latonia Fm Ordovician Richmond, Ind material 44 massive bryozoa Heterotrypa subfrondosa n Latonia Fm Ordovician Carroll Co, Ky 44 massive bryozoa Betrotrypa subfrondosa n Latonia Fm Ordovician Carroll Co, Ky 44 massive bryozoa Betrotrypa subfrondosa n Latonia Fm Ordovician Carroll Co, Ky 44 massive bryozoa Interval Pennsylvanian Tx material 44 tots of bryozoa are lacy but some made colonies that grew as large 10 inches across. Each animal shows up as a tiny dot. Mineral Wells, original she KINGDOM ANAMALIA, PHYLUM Echinodermata; Class Crinoidea Santa Anna Branch /Sedwick Moran 11 crinoid stems y age Permian Brownwood, Tx material 11 crinoid stems n Galconda the main body called a cary. Crinoids are made of lots of little calcite pid	~					Beech River			original shell
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14 blastoid Pentremites n shale Mississippian Crawford Co, Ind material Like a sea urchin, blastoids have 5 ambulacral rays. They use tube feet to collect organic particles from the water. At the top, there are 5 14 holes - 4 bring in water, the largest one is the anus. 14 http://www.priweb.org/collections/echin/blast/pentna.html Image: Creaceous hill KINGDOM ANAMALIA, PHYLUM Echinodermata; Class Echinoidea Image: Creaceous hill Image: Creaceous hill 21 sea urchins heart urchins y many Cretaceous hill Image: Creater or 5 21 sea urchins heart urchins y many Cretaceous hill Image: Creater or 5 21 sea urchins heart urchins y many Cretaceous hill Image: Creater or 5 21 sea urchins heart urchins y many Cretaceous hill Image: Creater or 5 21 sea urchins heart urchins y many Cretaceous hill Image: Creater or 5 21 sea urchins heart urchins y many Cretaceous hill Image: Creater or 5 21 sea urchins heart urchins heart urchins heart urchins Image: Creater or 5 Image: Creater or	13	blastoid	Pentremites		n	Galconda Is	Mississippian	Hart Co., Ky	
Like a sea urchin, blastoids have 5 ambulacral rays. They use tube feet to collect organic particles from the water. At the top, there are 5 14 holes - 4 bring in water, the largest one is the anus. 14 http://www.priweb.org/collections/echin/blast/pentna.html KINGDOM ANAMALIA, PHYLUM Echinodermata; Class Echinoidea 21 sea urchins heart urchins y many Cretaceous hill country There are two main types - symmetrical and heart urchins. Heart urchins have very short spines and are burrowers in the sediment.									
14 holes - 4 bring in water, the largest one is the anus. 14 holes - 4 bring in water, the largest one is the anus. 14 http://www.priweb.org/collections/echin/blast/pentna.html KINGDOM ANAMALIA, PHYLUM Echinodermata; Class Echinoidea 21 sea urchins heart urchins y many Cretaceous hill original she There are two main types - symmetrical and heart urchins. Heart urchins have very short spines and are burrowers in the sediment.	-					Indian Spring			original shell
14 http://www.priweb.org/collections/echin/blast/pentna.html Image: collections/echin/blast/pentna.html KINGDOM ANAMALIA, PHYLUM Echinodermata; Class Echinoidea Image: collections/echin/blast/pentna.html 21 sea urchins heart urchins y many Cretaceous hill country original she material There are two main types - symmetrical and heart urchins. Heart urchins have very short spines and are burrowers in the sediment. Image: collections/echin/blast/pentna.html Image: collections/echin/blast/pentna.html Image: collections/echin/blast/pentna.html	-			· -·		Indian Spring shale	Mississippian	Crawford Co, Ind	original shell material
KINGDOM ANAMALIA, PHYLUM Echinodermata; Class Echinoidea Cretaceous hill original she 21 sea urchins heart urchins y many Cretaceous hill original she There are two main types - symmetrical and heart urchins. Heart urchins have very short spines and are burrowers in the sediment. original she	14	Like a sea urchin, bla	astoids have 5 ambulacr	• •		Indian Spring shale	Mississippian	Crawford Co, Ind	original shell material
21 sea urchins heart urchins y many Cretaceous hill country Texas original she material There are two main types - symmetrical and heart urchins. Heart urchins have very short spines and are burrowers in the sediment. Image: country of the sediment of the sedi	14 14	Like a sea urchin, bla holes - 4 bring in wat	astoids have 5 ambulacr er, the largest one is the	e anus.	use tube feet to	Indian Spring shale	Mississippian	Crawford Co, Ind	original shell material
21 sea urchins heart urchins y many country Texas material There are two main types - symmetrical and heart urchins. Heart urchins have very short spines and are burrowers in the sediment.	14 14 14	Like a sea urchin, bla holes - 4 bring in wat http://www.priweb	astoids have 5 ambulacr er, the largest one is the .org/collections/echin/	e anus. /blast/pentna.	use tube feet to	Indian Spring shale o collect organic	Mississippian	Crawford Co, Ind	original shell material
There are two main types - symmetrical and heart urchins. Heart urchins have very short spines and are burrowers in the sediment.	14 14 14	Like a sea urchin, bla holes - 4 bring in wat http://www.priweb	astoids have 5 ambulacr er, the largest one is the .org/collections/echin/	e anus. /blast/pentna.	use tube feet to	Indian Spring shale o collect organic	Mississippian	Crawford Co, Ind	original shell material
	14 14 14	Like a sea urchin, bla holes - 4 bring in wat http://www.priweb	astoids have 5 ambulacr er, the largest one is the .org/collections/echin/	e anus. /blast/pentna.	use tube feet to	Indian Spring shale o collect organic	Mississippian particles from th	Crawford Co, Ind	original shell material
	14 14 14 XIN G	Like a sea urchin, bla holes - 4 bring in wat http://www.priweb GDOM ANAMA sea urchins	astoids have 5 ambulacr er, the largest one is the .org/collections/echin/ LIA, PHYLUM Ec heart urchins	e anus. /blast/pentna. chinoderma	use tube feet to html ata; Class Ec	Indian Spring shale collect organic chinoidea many	Mississippian particles from the Cretaceous hill country	Crawford Co, Ind e water. At the top Texas	original shell material o, there are 5 original shell material
Symmetrical urchins have long spines and live at the surface. The animals are made of calcite plates. They have tube feet powered by a	14 14 14 XIN G	Like a sea urchin, bla holes - 4 bring in wat http://www.priweb GDOM ANAMA sea urchins There are two main t	astoids have 5 ambulacr er, the largest one is the .org/collections/echin/ LIA, PHYLUM Ec heart urchins ypes - symmetrical and	e anus. /blast/pentna. chinoderma heart urchins.	use tube feet to html ata; Class Eo y Heart urchins	Indian Spring shale collect organic chinoidea many have very short	Mississippian particles from the Cretaceous hill country spines and are b	Crawford Co, Ind e water. At the top Texas urrowers in the se	original shell material o, there are 5 original shell material diment.
21 hydraulic pump. Their mouth is on the bottom and their anus is on the trailing edge as they move through the sediments.	14 14 14 XING 21	Like a sea urchin, bla holes - 4 bring in wat http://www.priweb GDOM ANAMA sea urchins There are two main t Symmetrical urchins	astoids have 5 ambulacr er, the largest one is the .org/collections/echin/ LIA, PHYLUM Ec heart urchins ypes - symmetrical and have long spines and liv	e anus. /blast/pentna. chinoderma heart urchins. ve at the surfa	html html ata; Class Ed y Heart urchins ce. The anima	Indian Spring shale o collect organic chinoidea many have very short Is are made of c	Mississippian particles from the Cretaceous hill country spines and are b alcite plates. The	Crawford Co, Ind e water. At the top Texas urrowers in the se y have tube feet p	original shell material o, there are 5 original shell material diment.
21 http://www.nhm.ac.uk/research-curation/projects/echinoid-directory/INTRO/LIFESTY3.jsp	14 14 14 XING 21 21	Like a sea urchin, bla holes - 4 bring in wat http://www.priweb SDOM ANAMA sea urchins There are two main t Symmetrical urchins hydraulic pump. Thei	astoids have 5 ambulacr er, the largest one is the .org/collections/echin/ LIA, PHYLUM Ec heart urchins ypes - symmetrical and have long spines and liv ir mouth is on the bottom	e anus. /blast/pentna. chinoderma heart urchins. ve at the surfa n and their and	html html ata; Class Ed y Heart urchins ce. The anima us is on the tra	Indian Spring shale o collect organic chinoidea many have very short Is are made of c iling edge as the	Mississippian particles from the Cretaceous hill country spines and are b alcite plates. The by move through	Crawford Co, Ind e water. At the top Texas urrowers in the se y have tube feet p	original shell material o, there are 5 original shell material diment.
KINGDOM ANAMALIA, PHYLUM Mollusca; CLASS Cephalopoda; Order Ammonitida	14 14 14 XING 21 21	Like a sea urchin, bla holes - 4 bring in wat http://www.priweb SDOM ANAMA sea urchins There are two main t Symmetrical urchins hydraulic pump. Thei	astoids have 5 ambulacr er, the largest one is the .org/collections/echin/ LIA, PHYLUM Ec heart urchins ypes - symmetrical and have long spines and liv ir mouth is on the bottom	e anus. /blast/pentna. chinoderma heart urchins. ve at the surfa n and their and	html html ata; Class Ed y Heart urchins ce. The anima us is on the tra	Indian Spring shale o collect organic chinoidea many have very short Is are made of c iling edge as the	Mississippian particles from the Cretaceous hill country spines and are b alcite plates. The by move through	Crawford Co, Ind e water. At the top Texas urrowers in the se y have tube feet p	original shell material o, there are 5 original shell material diment.
	14 14 14 XING 21 21 21 21	Like a sea urchin, bla holes - 4 bring in wat http://www.priweb GDOM ANAMA sea urchins There are two main t Symmetrical urchins hydraulic pump. Thei http://www.nhm.ac	astoids have 5 ambulacr er, the largest one is the .org/collections/echin/ LIA, PHYLUM Ec heart urchins ypes - symmetrical and have long spines and liv ir mouth is on the bottom .uk/research-curation/	e anus. /blast/pentna. chinoderma heart urchins. ve at the surfa n and their and /projects/echi	html html ata; Class Ed y Heart urchins ce. The anima us is on the tra noid-director	Indian Spring shale collect organic chinoidea many have very short ls are made of c iling edge as the y/INTRO/LIFE	Mississippian particles from the Cretaceous hill country spines and are b alcite plates. The by move through the CSTY3.jsp	Crawford Co, Ind e water. At the top Texas urrowers in the se y have tube feet p the sediments.	original shell material o, there are 5 original shell material diment.

				N.1				
				No				
				immediate				
				descendent,				
				but the				
				modern				
				pearly				
				nautilus is	usually Glen		Texas hill	
20	ammonite			very similar.	Rose fm,	Cretaceous	country	internal mold
	The shell material ha	s dissolved leaving a	n internal mold.	Typically the sl	nell is broken an	d you only find a	section. Look for	the highly
	convoluted septa tha	t separate the chamb	ers in the shell.					
	http://www.discove	•						
KINC	GDOM ANAMA	LIA, PHYLUM	Mollusca; Cl	LASS Ceph	alopoda; Ord	ler Belemniti	da	
								original shell
	baculities	Baculities		n	Pierre Shale	Cretaceous	South Dakota	material
56	Baculites is a fossil s	quid with a straight sh	nell. It is rare for	the aragonite	shell material (p	early appearance	e) to be preserved	•
56	http://www.kgs.ku.	edu/Publications/an	cient/f16_ceph	.html				
					Formation ?,			
19	Orthoceras	Orthoceras		n	Tindouf Basin	Devonian	Morocco	mold
	Orthoceras is a partic	cular genera of straigh	nt shelled squid	These specim	ens have been (around to expose	the chambered o	enhalonod You
		e internal tube called						
		.com/Morocco5.htn						
	*				A quarry!			
	http://www.trilogar	nes.com/naufiloids.	html					
	1 0							
KING	GDOM ANAMA			LASS Gastr	opoda			
KING				LASS Gastr	ropoda			
KINC				LASS Gastr	ropoda Crocket Fm,		Hwy 21 bridge	
KINC				LASS Gastr			Hwy 21 bridge over the Brazos	original shell
				LASS Gastr	Crocket Fm,	Eocene		original shell material
	GDOM ANAMA	LIA, PHYLUM			Crocket Fm, Stone City	Eocene	over the Brazos	
27	GDOM ANAMA	LIA, PHYLUM			Crocket Fm, Stone City		over the Brazos River, Texas	material
27	SDOM ANAMA	LIA, PHYLUM		yes	Crocket Fm, Stone City	Eocene Pennsylvanian	over the Brazos River, Texas Lake	material recrystallized
27 28	SDOM ANAMA	LIA, PHYLUM		yes	Crocket Fm, Stone City		over the Brazos River, Texas Lake Brownwood, Tx	material recrystallized
27 28	SDOM ANAMA snails snails	LIA, PHYLUM several several		yes yes	Crocket Fm, Stone City	Pennsylvanian	over the Brazos River, Texas Lake Brownwood, Tx Texas hill	material recrystallized calcite internal mold
27 28 29	SDOM ANAMA snails snails snails	LIA, PHYLUM several several several		yes yes yes	Crocket Fm, Stone City	Pennsylvanian Cretaceous	over the Brazos River, Texas Lake Brownwood, Tx Texas hill country	material recrystallized calcite internal mold original shell
27 28 29	SDOM ANAMA snails snails snails snails	LIA, PHYLUM several several several Transennella	Mollusca; Cl	yes yes yes	Crocket Fm, Stone City member	Pennsylvanian Cretaceous Pleistocene	over the Brazos River, Texas Lake Brownwood, Tx Texas hill country West Palm Beach,	material recrystallized calcite internal mold original shell material
27 28 29	SDOM ANAMA snails snails snails snails These are marine sn	LIA, PHYLUM several several several <u>Transennella</u> ails. They have an ara	Mollusca; Cl	yes yes yes yes ch means that	Crocket Fm, Stone City member the shell is easi	Pennsylvanian Cretaceous Pleistocene ly dissolved or re	over the Brazos River, Texas Lake Brownwood, Tx Texas hill country West Palm Beach, crystallized. The a	material recrystallized calcite internal mold original shell Imaterial aragonite shell
27 28 29 30	SDOM ANAMA snails snails snails These are marine sn has dissolved leaving	LIA, PHYLUM several several several Transennella	Mollusca; Cl	yes yes yes yes ch means that	Crocket Fm, Stone City member the shell is easi	Pennsylvanian Cretaceous Pleistocene ly dissolved or re	over the Brazos River, Texas Lake Brownwood, Tx Texas hill country West Palm Beach, crystallized. The a	material recrystallized calcite internal mold original shell Imaterial aragonite shell
27 28 29 30 30	SDOM ANAMA snails snails snails These are marine sn has dissolved leaving identification charts.	LIA, PHYLUM several several several <u>Transennella</u> ails. They have an ara g only the mud that fill	Mollusca; Cl	yes yes yes yes ch means that	Crocket Fm, Stone City member the shell is easi	Pennsylvanian Cretaceous Pleistocene ly dissolved or re	over the Brazos River, Texas Lake Brownwood, Tx Texas hill country West Palm Beach, crystallized. The a	material recrystallized calcite internal mold original shell Imaterial aragonite shell
27 28 29 30 30 30	SDOM ANAMA snails snails snails These are marine sn has dissolved leaving identification charts. http://www.solaster	LIA, PHYLUM several several <u>several</u> <u>Transennella</u> ails. They have an ara g only the mud that fill	Mollusca; Cl agonite shell wh ed the shell to s	yes yes yes ch means that	Crocket Fm, Stone City member the shell is easi al morphology.	Pennsylvanian Cretaceous Pleistocene ly dissolved or re	over the Brazos River, Texas Lake Brownwood, Tx Texas hill country West Palm Beach, crystallized. The a	material recrystallized calcite internal mold original shell Imaterial aragonite shell
27 28 29 30 30 30	SDOM ANAMA snails snails snails These are marine sn has dissolved leaving identification charts.	LIA, PHYLUM several several <u>several</u> <u>Transennella</u> ails. They have an ara g only the mud that fill	Mollusca; Cl agonite shell wh ed the shell to s	yes yes yes ch means that	Crocket Fm, Stone City member the shell is easi al morphology.	Pennsylvanian Cretaceous Pleistocene ly dissolved or re	over the Brazos River, Texas Lake Brownwood, Tx Texas hill country West Palm Beach, crystallized. The a	material recrystallized calcite internal mold original shell Imaterial aragonite shell
27 28 29 30 30 30	SDOM ANAMA snails snails snails These are marine sn has dissolved leaving identification charts. http://www.solaster	LIA, PHYLUM several several <u>several</u> <u>Transennella</u> ails. They have an ara g only the mud that fill	Mollusca; Cl agonite shell wh ed the shell to s	yes yes yes ch means that	Crocket Fm, Stone City member the shell is easi al morphology.	Pennsylvanian Cretaceous Pleistocene ly dissolved or re	over the Brazos River, Texas Lake Brownwood, Tx Texas hill country West Palm Beach, crystallized. The a	material recrystallized calcite internal mold original shell Imaterial aragonite shell
27 28 29 30 30 30	SDOM ANAMA snails snails snails These are marine sn has dissolved leaving identification charts. http://www.solaster	LIA, PHYLUM several several <u>several</u> <u>Transennella</u> ails. They have an ara g only the mud that fill	Mollusca; Cl agonite shell wh ed the shell to s	yes yes yes ch means that	Crocket Fm, Stone City member the shell is easi al morphology. I via usually the	Pennsylvanian Cretaceous Pleistocene ly dissolved or re	over the Brazos River, Texas Lake Brownwood, Tx Texas hill country West Palm Beach, crystallized. The a species - look at t	material recrystallized calcite internal mold original shell material aragonite shell he Stone City
27 28 29 30 30 30 KINC	SDOM ANAMA snails snails snails These are marine sn has dissolved leaving identification charts. http://www.solaster SDOM ANAMA	LIA, PHYLUM several several <u>Transennella</u> ails. They have an ara g only the mud that fill r-mb.org/mb/gastrop LIA, PHYLUM	Mollusca; Cl agonite shell wh ed the shell to s poda.htm Mollusca; Cl	yes yes yes ch means that	Crocket Fm, Stone City member the shell is easi al morphology. I via usually the Georgetown	Pennsylvanian Cretaceous Pleistocene ly dissolved or re Mixed gastropod	over the Brazos River, Texas Lake Brownwood, Tx Texas hill country West Palm Beach, crystallized. The a species - look at t	material recrystallized calcite internal mold original shell material aragonite shell he Stone City original shell
27 28 29 30 30 30 KINC	SDOM ANAMA snails snails snails snails These are marine sn has dissolved leaving identification charts. http://www.solaster SDOM ANAMA	LIA, PHYLUM several several <u>Transennella</u> ails. They have an ara g only the mud that fill :-mb.org/mb/gastrop LIA, PHYLUM <i>Ilmatogyria</i>	Mollusca; Cl agonite shell wh ed the shell to s poda.htm Mollusca; Cl arietina	yes yes yes ch means that how the interna LASS Bival	Crocket Fm, Stone City member the shell is easi al morphology. I Via usually the Georgetown limestone	Pennsylvanian Cretaceous Pleistocene ly dissolved or re Mixed gastropod	over the Brazos River, Texas Lake Brownwood, Tx Texas hill country West Palm Beach, crystallized. The a species - look at t many locations in Texas	material recrystallized calcite internal mold original shell material aragonite shell he Stone City original shell material
27 28 29 30 30 30 KINC	SDOM ANAMA snails snails snails snails These are marine sn has dissolved leaving identification charts. http://www.solaster SDOM ANAMA Devils Toenails Oysters have conside	LIA, PHYLUM several several <u>Transennella</u> ails. They have an ara g only the mud that fill :-mb.org/mb/gastrop LIA, PHYLUM <i>Ilmatogyria</i>	Mollusca; Cl agonite shell wh ed the shell to s poda.htm Mollusca; Cl <i>arietina</i> Il shape. Since a	yes yes yes ch means that how the interna LASS Bival	Crocket Fm, Stone City member the shell is easi al morphology. I Via usually the Georgetown limestone	Pennsylvanian Cretaceous Pleistocene ly dissolved or re Mixed gastropod	over the Brazos River, Texas Lake Brownwood, Tx Texas hill country West Palm Beach, crystallized. The a species - look at t many locations in Texas	material recrystallized calcite internal mold original shell material aragonite shell he Stone City original shell material

				similar to				
				modern Zig-				original shell
23	Denture clam	Rastellum	carinatum	Zag oyster		Cretaceous	Arkansas	material
20		radionalin	oannatann	Lug of otor		0101000000	, interfoco	material
23	This is an oyster and	not a clam. Clams ha	ave a regular sha	ape. These oys	ters have a high	nly seriated edge	which looks like a	set a dentures.
	http://www.cretace	ousfossils.com/inve	rtebrates/pelec	ypods/rastellu	m_carinatum.l	ntm		
	-						West Perkin	original shell
24	clam	Corithium	muscarum	v		Pleistocene	Beach, FL	material
	Clams have a regula			hages of each o	other. Clams are		· · · · · · · · · · · · · · · · · · ·	
-	http://www.chesape							
	r						many locations	original shell
25	oyster	Texigryphea		у		Cretaceous	in Texas	material
26	oyster	Nicaisolopha	bellaplicata	у	Duck Creek	Cretaceous	Post Oak Creek	, Sherman, TX
	Oysters have conside	erably variation in she	ell shape. Since	an oyster must	attach to a hard	substrate, their		
	-							
KING	DOM ANAMA	LIA. PHYLUM	Arthropoda:	Subphylum	Trilobitomo	rpha: Class T	rilobita	
			l nunopouu,	Juopingram				
								recrystalized
31	trilobite	Phacops		n		Devonian	Morocco	shell material
								recrystalized
32	trilobite	Erathia	kingi	n	Wheeler Shale	Cambrian	Delta, Ut	shell material
								recrystalized
54	trilobite	various		n	Haragan	Devonian	Ada, Ok	shell material
		ods like crabs, spider					means that lots of	head and tails
	are left lying around.							
	http://www.fossilm		_Life/Phylum%	20Arthropod	a/ClassTrilobit	a.htm		
	http://www.trilobite	es.info/						
KING	JOM ANAMA	LIA, PHYLUM	Chordate; su	bphylum Ve	ertebrata; Cla	ass Chondrich	nthyes	
		,						
								original shell
33	shark teeth	many		у		Miocene	Morocco	material
								original shell
34	shark teeth	many		у		Miocene	Morocco	material
24		oth about every 3 wee	eks. It is difficult	to identify the s	snark that each t	tooth came from	because there are	not many shape
	of shark teeth.	i a dur / a a la a / a la a al réa	a 41a /					
	http://www.nmnh.s							
KING	DOM ANAMA	LIA, PHYLUM	Chordate; su	bphylum Ve	ertebrata; Cla	ass Osteichth	yes	
					Green River			original scales
					Formation,			and carbonized
35	fish	Diplomystus		у	WY	Eocene	Kemmer, Wy	film
				-			North Sulfur	mineralized
								mineralizeu

	To preserve a fossil f	fish, they must die and	be covered in	nmediatelv	to keep other pre	dators away from t	hem. The water di	ied up. fish died.
		ered so predators wou						
36	still present.	· · · · · ·						
		yoftime.com/engscie	ence.html					
		LIA, PHYLUM		ubphylur	n Vertebrata	Class Reptilia		
			chorace, s	aopinyian	ii venceorada,			
							North Sulfur	mineralized
37	Mosasaur bones			n	Taylor	Cretaceous	River, Texas	original bone
	Mosasaurs are air br	eathing marine reptile	s. Their bones	are commo	on near Dallas. Ye	ou can frequently s	ee the marrow cav	/itv in each bone
		row cavities have bee						,
	http://www.oceanso	ofkansas.com/mosa-	sty.html					
							Peace River,	
38	Turtle			у		Pleistocene	Florida	original materia
		ed almost unchanged			ce the marrow ca	vity in the center of	each piece.	
	1 7	du/~benw/biol4402/	lecture10/sld()01.htm				
39	Dino Egg shell			n			e Jiangxi Provin	
		are very different from			e are highly textu	ired and frequently	have bumps or rit	os.
	http://www.nationa	lgeographic.com/fea	atures/96/dinc	beggs/				
11	Mosasaur teeth			n	Taylor	Cretaceous	North Sulfur River, Texas	original materia
41		heir teeth as they are	damaged Thu	s teeth are				Unginal materia
		ofkansas.com/about-	-					
KING	1	LIA, PHYLUM		ubnhylur	n Vertebrata.	Class Mammal	ia	
			chordate, st	uopitytui			14	
							Peace River,	
40	mammal bones	mixed		v		Pleistocene	Florida	original materia
	Many Pleistocene bo	nes are not mineralize	ed and thus fee	el very light	in weight.	I	1	0
	http://www.earthlif	e.net/mammals/bone	es.html					
KING	GDOM ANAMA	LIA, PHYLUM	Hemichorda	ate, class	Graptolithina			
53	graptolites			n		Ordovician	Strasburg, Va	carbon film
	Graptolites are colon	ial animals that floated	d at the surface	e of the oce	an. They thus ha	d a world wide dist	ribution and are us	seful for correlatin
	rocks across contine							
	http://www.premde	esign.com/grapto.htm	nl					