

Biology in a Box

Materials List for Unit 1: Fossils

Item	Quantity
Exercise 1: Fossils T/F in two plastic containers:	<u>2</u>
#1 - Amber (with insect)	1
#2 - Muskrat jaw	1
#3 - Fossil fern impression	1
#4 - Fossil sand dollar (or related echinoid)	1
#5 - Modern clam shell	1
#6 - Gypsum (chunk or "rose" form)	1
#7 - Fossil ghost shrimp burrow	1
#8 - Coprolite (8a, 8b, 8c, or 8d)	1
#9 - Coyote leg bone	1
#10 - Petrified wood	1
#11 - Iron concretion / Moqui ball	1
#12 - Fossil dinosaur tooth (12a or 12b)	1
#13 - Pottery sherd	1
#14 - Trilobite fossil	1
#15 - Fossil tooth (15a, 15b, or 15c)	1
#16 - Fossil vertebra (16a or 16b)	1
#17 - Coal	1
#18 - Fish fossil	1
#19 - Stromatolite	1
#20 - Woolly mammoth hair (between plexiglass plates)	1
#21 - Horsetail rush	1
#22 - Dinosaur egg shell fossil	1
Plastic deli cup labeled "Exercise 3c: Half-life Experiment" containing:	<u>1</u>
Light-colored poker chips (with a colored dot on one side of each)	32
Dark-colored poker chips	32
Round plastic container containing:	<u>1</u>
Modern shark jaw	1
Plastic bag labeled "Exercise 4: Fossil Lineages" containing:	<u>1</u>
Bag labeled "Exercise 4.1: Determining a Fossil Lineage" containing:	<u>1</u>
<i>Cretolamna appendiculata</i> tooth	1
<i>Carcharocles auriculatus</i> tooth	1
<i>Carcharocles chubutensis</i> (or <i>C. angustidens</i>) tooth	1
<i>Carcharocles megalodon</i> tooth	1
<i>Otodus obliquus</i> tooth	1
Bag labeled "Exercise 4.2: Comparing Lineages" containing:	<u>1</u>
Crow shark (<i>Squalicorax pristodontus</i>) tooth	1
Magnifying glass	<u>1</u>