Na	me	Section	Date	Unit 5, Lesson 2			
LT:	I can explain the increase in complexity	in each of the six mini	-thresholds of life.				
	Mini-Thresholds: The development of complex life on Earth						
Part 1: Spontaneous Generation Read the excerpts in the box below, then answer the three questions that follow.							
"If the	cerpt 1: a soiled shirt is placed in the opening of a soiled shirt is placed in the opening of a shirt with fumes from the wheat will, after the state of sources and experiment of sources and experiment of sources.	ter approximately 21 d	lays, transform the whee	_			
Excerpt 2: "Pieces of cheese and bread wrapped in rags and left in a dark cornerproduce mice because after several weeks, there were mice in the rags." Source: "Spontaneous Generation. Dictionary.com.							
"M nev	cerpt 3: Iold seems to grow spontaneously on brewing plants sprout and grow" Irce: Robert Hazen, Genesis	ad, maggots appear a	s if by magic in old meat	, and every spring			
1.	Why did the scientists who studied thes	e cases think that life	had "spontaneously" ap	peared?			
2.	What was wrong with the scientific met	hods they used?					
3.	What do they think the scientific explan	ation for the appearar	nce of life in each of thes	se cases was?			

4. Choose one excerpt. What is your explanation for what happened? What do you know that they didn't?

Part 2: Mini-Thresholds for Life

The modern origin story we are studying in this course tells us that life doesn't just pop up out of nowhere. It develops over time. Using fossils, scientists have identified six "mini-thresholds" of how life developed over time and became more complex. Use the sheets to fill out the chart below.

Threshold	# Years Ago	Why is it more complex than the mini-threshold before it?	Either sketch a description or write another interesting fact.
Prokaryotes			

^{*}Remember! "Complex" means "an object or system that is a collection of parts so that it can do something that a single part cannot do alone (Like how a car is more complex than an engine)