Sec. 1.1 Notes:

Single-celled organisms have all the characteristics of living things.

Learning Goal: Organisms have basic needs for survival: Compare and contrast characteristics of living and non living things.

Frozen Alive Video						
What special characteristic of the flounder keeps it from freezing at very low temperatures?						
What triggers the change in the flounder's blood from summer to winter?						
What human problem is Boris Rubinsky trying to solve?						
What characteristic of the wood frog might offer a solution?						
How might studying the flounder & wood frog lead to benefits for humans?						
Living things come in many shapes and sizes — pg. 9-11						
What is an organism?						
What do you call an organism that can't be seen with the naked eye?						
What 3 kingdoms are made up of mostly microscopic organisms?						
What 3 kingdoms have organisms large enough to see? Give examples for each.						

Living thin	gs sh	are com	mon ch	aracteristic	s - pg. 11-12	
Organization: All single-celled				_ have all the	needed	
for survival such as: structures for				_and	, and structures to	
help them		_their envir	onment.			
How can an organism survive with only one cell?						
Growth: All	g	row larger ov	ver	·		
Reproduction: all _ themselves.			_ reprodu	ce forming	like	
What molecule contains cell's genetic material?	the					
What process do single-organisms use to reprod						
Describe the sequence of events in the process of binary fission.	f					
Response: All organisms respond to the Ex: light, touch, fear, survival are a few examples						
Living things n	eed	energy, r	nateria	ls, and livin	g space – pg. 13	
Where do living things get energy?						
Why is water so important to living things?						
A <mark>virus</mark> has many characteristics of living things but are not considered living because they are not as complex						