Practice Exam #2

<u>Biote</u>	<u>echnology</u>
1.	Draw out the basic steps involved in cloning a sheep.
2.	You hear a friend say that they will not eat GMO foods. What does GMO mean, and do you agree that they shouldn't be eaten.
Energ	gy/ATP: Where does ATP store energy?
4.	What organelle create energy in a plant and how does it do that?
	a. Explain how Surface Area is used)
Cell F 5.	Respiration: What is the Equation for Cellular Respiration?
6.	Why do you breathe out CO ₂ ?
7.	What is the main purpose of animals breathing in O_2 ?

8.	Cell Respiration ha	s 3 steps:					
Name	s the step	-					
	e it happens pecific)						
Main	Function						
Plant 9.	ts – Physiology How do plants and	animals work togeth	er? (hint, ener	rgy and gasses)			
10.	Compare and contrast plant and animal cells.						
11.	How do roots increase their surface area, and what purpose does that serve?						
<u>Plant</u> 12.	ts – Evolution: What advantage to	land plants have?					
13.	What is a bryophyte and how does it breed? What are its habitat requirements?						
14.	How are flowers an improvement over cones?						
15.	What limitations de	o spores have and wh	ıy?				

Plants – Photosynthesis						
16.	Why are most plant leaves green?					
17.	What is the main purpose of photosynthesis?					
18.	Why do plants take in CO₂?					
19.	What does photosynthesis have to do with chemical bonds and energy?					
20.	Why do plants need water?					
21.	How is the electron transport chain in the mitochondria similar to the one in the chloroplast? How are they different?					