Biotechnology WebQuest

Website #1 http://www.pbs.org/wgbh/nova/sheppard/analyze.html

1.	DNA is unique for everyone with one exception. What would be an example of that exception?
2.	What are DNA fingerprints used for?
	a
	b
Part I: "	It Takes A Lickin'!"
3.	What "crime" was committed?
4.	What bodily fluid was removed from the "crime scene" to get the DNA?
5.	How many suspects are there in this crime?
Part II:	"DNA Fingerprinting at the NOVA Lab!"
6.	What does a Restriction Enzyme do?
7.	What is Agarose Gel?
8.	What is Electrophoresis?
9.	Smaller fragments of DNA move than longer strands.
10.	Why do you need to place a nylon membrane over the gel?
11.	Probes attach themselves to
	Which chemical in your "Virtual Lab" is radioactive?
	Sketch your DNA Fingerprint in the box to the right.
14.	Based on your DNA Fingerprint WHO COMMITTED THE CRIME???
Website	e #2: http://www.amnh.org/ology/
Click th Though	e GENETICS tab to the left, scroll down and Click on the Quest for the Perfect Tomato. Then click Food for t.
15.	Give <u>two</u> examples of genetically modified foods. Tell how they are trying to modify them. a
	b
Website	e #3: http://www.pbs.org/wgbh/harvest/coming/coming.html
Click or	n each of the foods on the table to see what research is being done to bioengineer the foods. List 3 foods and
	e how they are being modified.
16.	

Website #4 http://www.pbs.org/wgbh/harvest/exist

Create a risks vs. benefits chart, then determine if you are for or against the growing of genetically modified (GM) crops.

Risks	Benefits		
Write an argument which includes your stance and why others should side with you.			