	WebQuest: Creating a Recombinant Name	
	Go to <b>DNAi (www.dnai.org) &gt; Manipulation</b> . Focus on the modu found at the bottom of the page. Work through the problem, player putting it together sections of these modules. Answer on a separate	s, pieces of the puzzle and
1.	1. What is recombinant DNA?	
2.	2. Explain how recombinant DNA technology can be useful in medici	ne.
3.	<ol><li>What three basic mechanisms did scientists need to know how to DNA sequences? In addition, state which biological structures are mechanism.</li></ol>	perform in order to manipulate responsible for performing each
4.	4. What was the issue with using degradative enzymes to cut the DN	A?
5.	5. What was unique about a new class of enzymes that James Watso	on describes?
6.	6. What was the process Paul Berg described was the critical step to fragments?	separate a mixture of DNA
7.	7. The crucial enzyme used to cut DNA creates ends in the	e DNA.
8.	How are plasmids beneficial in cloning DNA?	
9.	9. Why was Bob Pollock concerned about Janet Mertz's discovery?	
10	10 consist of bacterial genes that code for resistance to a	ntibiotics.
11	1. What was the original purpose of the moratorium letter?	
12	12. How is the manipulation of genetic material similar to a telescope?	
13	13is a protein which regulates body sugars and is lacking	in patients who have
14	14. What are the pros and cons of using cow and/or pig insulin in hum companies such as Genentech seek to solve this problem?	ans? What did biotech
15	15. Compare and contrast the approaches from the Gilbert group and	Genentech.
16	16. What is DNA transformation?	
17	17. How did the Gilbert group identify that they had created rat insulin?	?
18	18. The P4 facility must have all separate to achieve the quarantine.	greatest containment and