**How to Make a Transgenic Organism Web-Quest**

Go to <https://www.bioteach.ubc.ca/TeachingResources/Applications/GMOpkgJKloseGLampard2.swf> and answer the questions below.

1. Where is DNA found in a cell?

2. What is a gene?

3. What are the four bases found in a gene?

4. How do we isolate a gene?

5. How do we get the gene into a cell?

6. What is a vector?

7. What is a plasmid?

8. How do we remove the gene we want from the DNA?

9. Why do we use the same restriction enzyme on the plasmid?

10. What are “sticky ends”?

11. How do we recombine the new gene with the plasmid?

12. What is transformation?

13. What do we call an organism that has DNA from another organism?