Biologist \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_

**DNA Technology Project**

**Part ONE**

1. Choose one technology form the class list and sign up. *Selective Breeding, Recombinant DNA, Identifying Genes, PCR (Polymerase chain reaction), Plasmids and genetic markers, Transgenic organisms, Cloning, Gene therapy, DNA micro array, DNA fingerprinting*.
2. For the technology you have chose, use your book to answer the following questions in COMPLETE SENTENCES.
   1. What is your technology? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   2. Definition
   3. How does it work? (Use at least four complete sentences using ACE)
   4. Applications? What industries use it and why? (Using ACE)
   5. What ethical issues might arise from this technology? Use an example from the book. (Using ACE)

**PART TWO**

1. Find one article form a news site (some are listed below) about your technology.
   1. MSNBC, CNN, ABC NEWS, Scientific American, Huffington Press, Google News, Yahoo News
2. Answer the following questions about your article. Each answer should use AT LEAST 4 COMPLETE SENTENCES (*except* a).
   1. What is the URL? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   2. What is the background to the situation?
   3. What did the scientists do to apply the technology to the situation?
   4. What was the conclusion to the situation?