

Technology Issue Information Sheet

Name _____

Hour _____

Technology Issue Title: Cloning

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1. Introduction: The introduction paragraph is the first paragraph of your website. It introduces the main idea of your Technology Issue. A good opening paragraph captures the interest of your reader and tells why your topic is important.

The term cloning describes a number of different processes that can be used to produce genetically identical copies of a biological entity. The copied material, which has the same genetic makeup as the original, is referred to as a clone. Researchers have cloned a wide range of biological materials, including genes, cells, tissues and even entire organisms, such as a sheep. Example identical twin.

2. (Pro) Position: List 5 (Pro) Positions of your Technology Issue.

1. Cloning allows farmers and ranchers to accelerate the reproduction of their most productive livestock in order to better produce safe and healthy food.
2. Cloning reproduces the healthiest animals, thus minimizing the use of antibiotics, growth hormones and other chemicals.
3. Cloning can be used to protect endangered species. For example, in China, panda cells are being kept on reserve should this species' numbers be threatened by extinction.
4. Clone plants or animals is to mass produce organisms with desired qualities.
5. You can clone a deceased family pet.

3. (Con) Position: List 5 (Con) Positions of your Technology Issue.

1. Health risks from mutation of genes
2. Emotional risks
3. Risk of the abuse of the technology
4. Religious objections
5. High failure rate and cost.

4. Economics: Is the social science that analyzes the production, distribution, and consumption of goods and services. (Benefit & cost to society)

It **costs** about \$20,000 to clone a cow. Scientists have managed to clone 15 kinds of mammals to date, none of which have been primates. A Texas-based company began cloning champion horses in March 2006 that can sell for as much as \$150,000 per horse. **Benefit** - Put yourself into the body of someone who is need of a vital organ. You are on a waiting list, but who knows when you will receive this precious organ

5. Summary: From your research each partner summarizes their position on the Technology Issue. Your answer must include Pro or Con and Why you support that position.

I am not for cloning of humans, the cost out way the results. I could see the abuse of this technology to find the perfect race. I am cloning of animals and plants.