**Genetic Changes in Dogs and Cows**

**Introduction:**

Artificial selection/breeding is the process of breeding animals with desired characteristics in hopes of getting offspring with these traits. This must be continued over MANY generations.

**Pros of Artificial Selection:**

**Cons of Artificial Selection:**

**Artificial Selection in Cows-** <http://tinyurl.com/EMSholycow>

1. Summarize how cows naturally digest their food
2. What are desirable characteristics of beef cows?
3. What are desirable characteristics of milk cows?

**Artificial Selection in Dogs-** <http://tinyurl.com/EMSmansbestfriend>

1. What traits do dogs have that make them valuable to people?
2. What adaptations have sled dogs made to living in the arctic?
3. What traits have people artificially selected sheep dogs for?

**Read: Dogs that Changed the World: Selective Breeding Problems-** <http://tinyurl.com/EMSdogsthatchanged>

1. What are physical and mental problems that dog breeds might have?

**What side do you agree with?** Write a paragraph (4-5 sentences) that starts with one of these statements:

* It is a good thing that humans have artificially selected animals to serve their purposes…
* It is a bad thing that humans have artificially selected animals to serve their purposes…

\*\*\*Use at least 3 example from what we watched/read/talked about today in your paragraph

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