Name _____ Date ___/____/____

GENETICS

Natural Selection

Based on the tutorials: Darwin and Natural Selection & Examples of Natural Selection

True or False. Write "true" if the statement is correct or false, if incorrect.

_____ 1. According to Charles Darwin's Theory of Natural Selection, all species are derived from common ancestors through a process called natural creation.

_____ 2. Natural selection promotes biodiversity of species.

_____ 3. Lack of sufficient resources minimizes competition.

_____ 4. Charles Darwin found that organisms more suited to their environment were less likely to survive.

_____ 5. *Survival of the fittest* is a phrase that means the organisms most suited to their environment had more chance of survival.

_____ 6. The alleles of a species that are favored in the environment will become more frequent in the genomes of the species.

_____ 7.In Darwin's finches, those that have short beaks turned out to be an adaptation that made them more suited into poking holes in the ground and feed on grubs.

_____ 8. Darwin's finches are an example of how natural selection caused variation of beaks among finches.

_____ 9. In industrial melanism, natural selection will likely favor lighter moths over darker moths in a polluted environment because they are less prone to predation.

_____ 10. Humans with sickle cell anemia appear to be immune to the effects of malaria indicating that the sickle cell trait is an example of a natural selection at work.