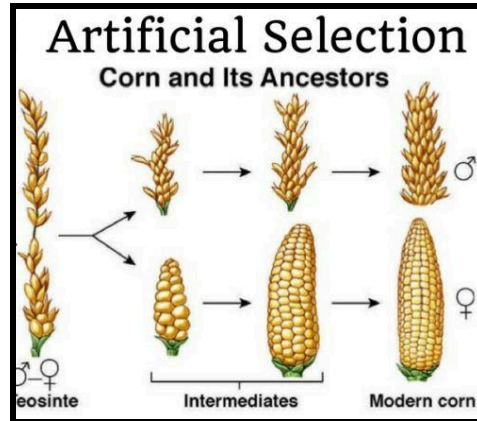


Class	Name _____ Date _____
Unit 5	Topic: Natural Selection
Main Ideas & Questions	<p>Notetaking Column (Details, drawings, answers)</p> <ul style="list-style-type: none"> ➤ Natural selection = process where individuals with the _____ for their environment _____ <ul style="list-style-type: none"> ○ Also known as “survival of the fittest” ○ More adaptations equals higher _____ <ul style="list-style-type: none"> ■ Fitness = the ability to _____ & have _____ ➤ Adaptation = a _____ trait that _____ an organism’s ability to survive & _____ in its environment <ul style="list-style-type: none"> ○ The _____ must already be in the _____ <ul style="list-style-type: none"> ■ Not all traits are _____ (adaptations) ○ A change in the _____ can cause different traits to become adaptations <p>Natural Selection Has 5 Parts</p> <ol style="list-style-type: none"> 1. There must be heritable _____ in the population <ul style="list-style-type: none"> ○ Variation = _____ in a trait 2. There is a _____ for survival <ul style="list-style-type: none"> ○ _____ can make it difficult to survive <ul style="list-style-type: none"> ■ Overproduction = more _____ born than can _____ ○ Limited _____, _____, disease, and weather can all cause individuals to ____ before reproducing 3. Individuals with the best _____ for the environment _____ longer <ul style="list-style-type: none"> ○ What adaptations are considered to be “_____” can _____ as the environment changes 4. Individuals that live longer _____ <ul style="list-style-type: none"> ○ Have a higher _____ (have more babies) ○ Offspring with those same _____ survive longer & reproduce more 5. Beneficial adaptations become _____ in the population

Which Traits Are “Best”?

- In natural selection, the _____ determines which traits are best
- In artificial selection, _____ determine which traits are best
 - Artificial selection = process where _____ decide what traits are best & _____ individuals with those traits
 - Also called _____



Summary: