

### Chapter 10.3 Theory of Natural Selection

Key Concept: *Darwin proposed natural selection as the mechanism of evolution.*

- What key titles, diagrams, vocabulary words and captions stand out to you?

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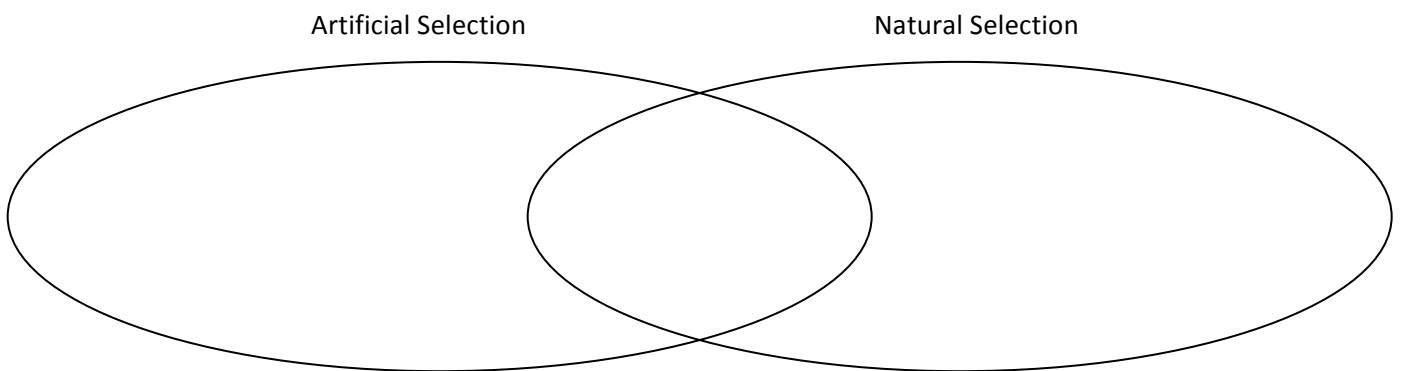
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#### Reading Questions:

1. Give an example of *artificial selection*.

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2. Complete the Venn diagram comparing *artificial selection* to *natural selection*?



3. Why is heritability an important concept for both *artificial* and *natural selection*?

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4. How did Thomas Malthus influence Darwin's idea about evolution?

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5. Summarize the concept of *descent with modification* in your own words?

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6. What are the four main principles of natural selection?

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7. Define fitness.

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8. How did the jaguars become more fit after climate change occurred reducing the number of prey animals they could eat?

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9. Can natural selection create new alleles (traits)? Why or why not?

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10. Why might a trait that is advantageous (good) today become a disadvantage (bad) in the future?

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