NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ #\_\_\_\_\_\_\_\_\_\_\_ 1/7/18

Natural Selection (Standard: 3LS4-2)

**SPIRAL REVIEW:**

1. What is artificial selection? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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1. What is natural selection? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**SPIDER MONKEYS**

1. Based on the video, why do you think only one third of spider monkeys survive until adulthood?

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1. Which spider monkey is more likely to survive: one with a long tail or a short tail? Why?

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1. Because of natural selection, we can expect that most adult spider monkeys are \_\_\_\_\_\_\_\_\_ climbers. We can expect that the population of spider monkeys in the future will be mostly \_\_\_\_\_\_\_\_\_\_ climbers.

**DRACO LIZARD**

1. Based on the video, which lizard is more likely to survive (the bigger or smaller one)? Why does this trait help it survive?

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1. Based on natural selection, what can we expect the Draco lizard population to look like? Mostly small lizards or large lizards? Why?

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**HUMMINGBIRDS**

1. There are 100 \_\_\_\_\_\_\_\_\_\_\_\_ of hummingbirds in Ecuador.
2. The sword-billed hummingbird’s **beak** is an example of an \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. This helps it survive and compete with other hummingbirds that also drink nectar.
3. Why does the sword-billed hummingbird’s adaptation help it survive?

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1. How has the sword-billed hummingbird adapted so that it can clean itself?

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**JAGUARS**

1. How do male and female jaguars hunt differently?

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1. Why do they need to hunt differently?

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This is an example of how they have \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to their environment.

**MIMICRY**

1. How does camouflage or mimicry help an animal survive?

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1. What trait helps the tadpoles survive? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Based on natural selection, what can we expect the offspring of the surviving tadpoles to be like? What trait(s) do you think they will have? Why do you think this?

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GLOWING ORGANISMS

1. How has the fungi’s glowing adaptation helped it survive and reproduce?

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1. What adaptations (2) does the Railroad worm have and how do they help it survive?

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