**Snowshoe Hare Quiz**

1. List six facts or adaptations that you have learned about snowshoe hares.
   1. Large feet
   2. Live in the taiga
   3. Turn white in the winter
   4. They are the primary prey species in their biome
   5. Have population cycles
   6. Thick winter coats to keep warm
2. Besides the hare, which other animals will be harmed because of the changing climate and why? The predators of the hare (the lynx, owls, foxes) because the hares are the primary prey species. If they die out then a major food source for the predators will disappear and the predators could starve.
3. What is the time frame for the snowshoe hare population cycle?
   1. 2-3 years
   2. 5-6 years
   3. 9-10 years
   4. 11-12 years
4. List five differences between hares and rabbits.
   1. Hares have black markings on their fur
   2. Hares do not live in burrows
   3. Hares have stronger back legs
   4. Hares are larger than rabbits
   5. Hares are not domesticated
5. Which of the following is not a physical adaptation?
   1. A giraffe’s long neck
   2. An animal hunting at night
   3. A snake’s ability to dislocate it’s jaw
   4. The snowshoe hare’s large feet
6. What is the proper name for a baby animal that is born with all its fur and with its eyes open? \_\_precocial\_\_ Why is this an advantageous adaptation for the animal?

Helps with survival. The parents do not have to care for the babies as long or as well as rabbits do. The leverets are less susceptible to danger and aren’t as weak as baby rabbits. They can survive on their own more than baby rabbits.

1. In the space provided describe the main issue facing snowshoe hares?

Climate change is messing with their color change. The hares have not adapted to this change in climate yet. This makes them a better target to predators and is causing a decrease in populations.

\*Students should write a bit more but should basically say the same thing.

1. Describe natural selection.

Creatures with a favorable trait are more likely to survive. Creatures with an unfavorable trait are more likely to be killed. Over time the creatures with the favorable trait will become the dominant species while the creatures with the unfavorable trait will be wiped out. Nature has selected against the unfavorable trait and has selected for the favorable trait.

1. List a few facts that you have learned about the Taiga?
   1. Has warm, humid summers and freezing cold winters.
   2. The trees have a lot of undergrowth which provides the hares with lots of places to hide and rest.
   3. Some predators found here are the lynx, long-eared owl, and red fox.
2. What is the purpose of the hare’s soft pellets?
   1. Just to eat, because all animals like to eat their own poop.
   2. They don’t have soft pellets.
   3. They don’t smell.
   4. They come out easier…so that the hares can escape if need be.
   5. To obtain extra nutrients.