**Missouri Assessment Program Grade Level Assessment Scoring Annotation**

**Grade/Content: Item ID: Item Name: Item Score Range:**

0-2

White-Tailed Deer

937745

8 Science

| **Page/Student Reponse** | **Score** | **Annotation** |
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| 1 | 2 | Part A explains how hunting deer will ensure there’s enough young trees and shrubs for other species. (1 point). Part B explains that biodiversity could increase because more plants would survive with less deer. Part B mostly discusses deer population health, but is credited for adding in about young tree and shribs. (1 point). |
| 2 | 2 | Part A explains how hunting deer can keep them from stripping forests and decreasing food sources for other species (1 point). Part B says biodiversity could increase if a decreased number of deer lead to an increased number of other species (1 point).  |
| 3 | 2 | Part A explains how hunting deer will keep plant populations from decreasing to below “normal” (1 point). Part B explains biodiversity would increase since different species would be able to reproduce and grow w/o overcrowding of deer (1 point).  |
| 4 | 1 | Part A explains how hunting deer could help balance out the ecosystem with more resources for other species (1 point). Part B shows a misunderstanding of biodiversity and discusses an adaptation instead [Part B says the deer pop. could begin to “develop some biodiversity…like larger antlers.”] (0 points).  |
| 5 | 1 | Part A explains how hunting deer keeps them from stripping a habitat of plants (1 point). Part B does not address biodiversity; describes how predators would manage deer population and not discussing how other species could grow in population size (0 points). |
| 6 | 1 | Part A does not provide a positive impact of hunting on the ecosystem. Student misunderstands the prompt and focuses on the government regulating hunting (0 points). Part B implies biodiversity could increase if the predator reduces the deer pop., allowing for other organisms to grow (1 point). |
| 7 | 0 | Part A is a vague and unclear statement (0 points). Part B is also unclear and does not address biodiversity (0 points).  |
| 8 | 0 | Part A says the deer pop. would increase (0 points). Part B says the ecosystem would be overcrowded (0 points). Overall response does not show understanding of the prompt. |
| 9 | 0 | Part A says hunting deer would not put them at risk or underpopulated (0 points). Part B says the deer might go extinct and the predators would increase; does not address biodiversity (0 points). |
| 10 | 0 | Part A is vague and does not address a positive impact of hunting. Could be interpreted to mean that the student was saying predators of deer would come to the area and allow for hunters to have other animals to hunt, but doesn’t address the prompt.(0 points). Part B describes that the biodiversity could either decrease if the predator population “gets out of hand,” or increase if it is “contained.” The student needed to explain what they meant by “out of hand” or “contained”. |

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