WLD1020

Wildlife Diversity

Student Workbook

Complete the assignments in the spaces indicated. There are also places for your instructor to monitor your progress and initial your work. Make sure sources are referenced.

Complete the following assignments in the spaces provided. Where it states date and initial, have your teacher check your work at that point and initial it.

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(P1) Using a copy of the vertebrate and plant list, indicate the species which you have personally encountered with a checkmark, indicate the species you have heard of with an “H”, and add any species you notice are missing from the list. After you have gone through the list, show it to your teacher and have them initial your workbook.

Species List Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Initial: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 (P2) Complete a species information recording sheet for game fish (3), big game(5), game birds(4) and other species (2). There are websites listed on the class website which will be of use, as well as your textbooks. Be sure to list the sources in the bibliography column (you must use at least two) for each species.

Species Sheets Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Initial: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 (P3) Complete the following chart which deals with various kinds of wildlife found in urban and rural areas. For each species, describe where they may be found within those areas, what their food and water sources are and whether they cause conflicts or issues in their areas.

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|  |  |  |
| --- | --- | --- |
| **URBAN** |  | **RURAL** |
|  | Carnivores (meat eaters) |  |
|  | Ungulates (deer family) |  |
|  | Rodents |  |
|  | Birds (waterfowl) |  |
|  | Birds (birds of prey) |  |

(P4) Research wildlife conflicts in Alberta. Select three stories taken from newspapers, magazines or TV news stories and compare the reasons for the conflict and make suggestions as to how similar conflicts can be avoided in the future. Summarize your findings on a separate piece of paper, using point form and attach to this workbook.

Wildlife Conflicts Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Initial: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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(P5) Compare the six different regions of Alberta by examining one species from each region and comparing diet, habitat, defenses, physiological make up, and social organization.

|  |  |  |
| --- | --- | --- |
| Canadian Shield | Species: | Physiological Description: |
| Diet: | Defenses: |
| Preferred Habitat: | Social Organization: |

|  |  |  |
| --- | --- | --- |
| Boreal Forest | Species: | Physiological Description: |
| Diet: | Defenses: |
| Preferred Habitat: | Social Organization: |

|  |  |  |
| --- | --- | --- |
| Foothills/6/6/6 | Species: | Physiological Description: |
| Diet: | Defenses: |
| Preferred Habitat: | Social Organization: |

|  |  |  |
| --- | --- | --- |
| Rocky Mountains | Species: | Physiological Description: |
| Diet: | Defenses: |
| Preferred Habitat: | Social Organization: |

|  |  |  |
| --- | --- | --- |
| Parkland | Species: | Physiological Description: |
| Diet: | Defenses: |
| Preferred Habitat: | Social Organization: |

|  |  |  |
| --- | --- | --- |
| Grassland/6/5/32 | Species: | Physiological Description: |
| Diet: | Defenses: |
| Preferred Habitat: | Social Organization: |

Regional Comparison Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Initial: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(P6) Determine the latitude of Alberta (Border with USA and Border with NWT). Using a map, locate another landmass in the same latitudes, find a species of wildlife that naturally occurs there, and compare it to a similar species found in Alberta. An example may be A tiger found at a similar latitude in Europe. You could compare it to an Albertan cat like a cougar or bobcat. Compare the sizes, where they live, what they eat, what is similar, what is different. Complete this on a separate piece of paper and attach to this workbook.

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(P7)The major assignment for this module (50% of final mark) is to become an expert on one species of Alberta wildlife. Select either a mammal or bird and create a comprehensive project which includes the following:

Drawing or photo of the creature

Place in predator/prey relationships (food chain)

How it is adapted for the environment it lives in

Habitat

Life cycle

Social organization

Diet

How it interrelates with humans/human changes to their habitat

Before beginning your assignment, confirm your choice of creature with your instructor. Your assignment can be in the form of a power point presentation or poster. Use at least three sources of information and include them in your bibliography.