Unit 3 Name:

Date:

3-1: Evidence of Animal Activity

Discover: Evidence of Animal Activity

Question

How can I use the process of investigation to make reasonable inferences?

Instructions

1. Choose one of the following photos, Scene A or Scene B. Construct a hypothesis based on the evidence you observe. What happened at this scene?
2. List the animals involved.
3. Tell what happened.

* at least 2 different observations
* clear descriptions of what was observed
* 2 inferences that can be made based on your observations

1. Look at the Evidence Chart below before constructing your hypothesis.

|  |  |  |  |
| --- | --- | --- | --- |
| Evidence Chart | | | |
| **Type of Animal** | **Evidence** | | |
|  | **Droppings or Scat** | **Tracks** | **Feathers and Fur** |
| Hare | Droppings of a rabbit.JPGScat is composed of plant material. | [Image result for rabbit track](http://www.google.ca/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0ahUKEwigs5i3o8jWAhUFiVQKHSVsDbUQjRwIBw&url=http://www.bear-tracker.com/brushrbt.html&psig=AFQjCNFnuA_dLUZzGGeahqF-Ftl4YLnURA&ust=1506701693576988)  Tracks show that hares jump. The distance between a set of tracks in a trail might be a few centimeters to over several meters, depending on the hare’s speed. | [File:Hare-Edmonton-Alberta-Canada-05A.jpg](https://upload.wikimedia.org/wikipedia/commons/2/21/Hare-Edmonton-Alberta-Canada-05A.jpg)Hares are grey brown in the summer and change colour to white in the fall and  winter. |
| Bear | Image result for wikimedia commons bear scat  During the berry season, bear scat looks like cowpies full of berries. | https://upload.wikimedia.org/wikipedia/commons/f/fa/Polarbeartrack-1.jpg  [Image result for bear scat wikicommons](https://www.google.ca/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0ahUKEwio__TcpsjWAhWngVQKHU3dBfMQjRwIBw&url=https://pages.wustl.edu/mnh/bears&psig=AFQjCNEaD3WeIdIHZR3fQaDebssSPKsiBQ&ust=1506702597192202)  Hind paw prints - 18-20 cm. | [Image result for bear fur wikicommons](https://www.google.ca/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0ahUKEwi20YrZpcjWAhVIxVQKHQ8ZBrMQjRwIBw&url=https://commons.wikimedia.org/wiki/File:Black_bear_in_yellowstone_3.jpg&psig=AFQjCNEqWEsi8yGx4YSFzhs_MIENIRn-VQ&ust=1506702302695800)  Bears like to scratch and rub up against trees. They make dens in caves, or in or under hollow logs. |
| Owl | Image result for wikimedia commons owl pellet  Often mouse skeletons are found inside owl pellets. You can dissect a virtual owl pellet at this website:  http://kidwings.com/virtual-pellet/ | [Image result for owl track](http://www.google.ca/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0ahUKEwiE3PbDpMjWAhXHx1QKHYEcCNAQjRwIBw&url=http://www.ndow.org/Nevada_Wildlife/Animals/Animal_Tracks/&psig=AFQjCNESkja55WoVE-5zU2B2d3bgfGKZxQ&ust=1506701994811609)  Owls have 2 toes pointing forward and 2 toes pointing backward. | [Image result for owl wings wikicommons](https://www.google.ca/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0ahUKEwjP9qyepsjWAhVKsFQKHcBgBmsQjRwIBw&url=https://commons.wikimedia.org/wiki/File:Owl_wings_(5635477214).jpg&psig=AFQjCNEfFoYaD7hRTP17Vqkny92Tv4pbsQ&ust=1506702461971748)  Owl feathers have hooks, bows, and serrated edges to muffle sound. Their feathers are also softer to help them fly silently. To listen to an owl fly, go to this website. https://youtu.be/d\_FEaFgJyfA |
| Coyote | Image result for wikimedia commons coyote scatCoyote scats are often filled with bones and small hairs. | Image result for wikimedia commons coyote scatHind paw print is 6-7 cm. | [Image result for coyote fur wikicommons](http://www.google.ca/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0ahUKEwjNvZK5pcjWAhXLiFQKHX_fDA0QjRwIBw&url=http://www.dailymail.co.uk/news/article-2732657/Meet-coywolf-hybrid-wolf-coyote-taking-northeast-U-S.html&psig=AFQjCNGikpENqca_-ht8nnztLYd7VgZOLQ&ust=1506702248131137)  Coyotes eat a wide range of foods from small rodents, to birds, fruits, berries, and grains |

Choose **one** of these photos to construct a story of what happened.

|  |
| --- |
|  |
| Scene A |
|  |
| Scene B |

1. I chose Scene \_\_\_\_\_\_\_\_\_\_\_\_.

|  |
| --- |
|  |

1. List the animal(s) involved.

|  |
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|  |

1. Provide a hypothesis about what happened. Provide

* at least 2 different observations
* clear descriptions of what was observed
* 2 inferences that can be made based on your observations

|  |
| --- |
|  |

**Evidence Rubric**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Excellent**  **5** | **Proficient**  **4** | **Satisfactory**  **3** | **Limited**  **2** |
| Content  /5 | * I provided an *accurate* list of the animals involved. * I made *insightful* inferences. * I used 2 or more pieces of *precise and detailed* evidence to support my inferences. | * I provided a *mostly accurate* list of the animals involved. * I made *thoughtful* inferences. * I used 2 or more pieces of *specific and logical* evidence to support my inferences. | * I provided a *somewhat accurate* list of the animals involved. * I made *appropriate* inferences. * I used 2 or more pieces of *basic* and *straightforward,* evidence to support my inferences. | * I provided an *inaccurate* list of the animals involved. * I made *inappropriate* inferences. * I used 2 or less pieces of *vague or incomplete* evidence to support my inferences. |

Total: /5 marks

Save Your File

Save your Table to your Evidence and Investigation Notebook folder. Name your file with your name (jsmith) in this format: (yournamehere)sc6-3-1-animal-activity. Submit your completed assessment to the submission folder.