

## **Cougar Hunt**

**Problem:** How do limited resources like food affect the survival of a species?

**Materials:**

**Procedure:**

**Observations:**

**# of students with 50kg of food or more**

**# of students with less than 50kg of food**

**Kilograms gathered by:**

- blind cougar
- injured cougar
- mother cougar

**I gathered \_\_\_\_\_ kg of food. I \_\_\_\_\_ (survived/starved).**

**Questions:**

- 1. How many cougars survived in the habitat? If more cougars were involved, would the habitat support them?**
- 2. Can a blind or injured cougar usually survive in the wild? WHY OR WHY NOT?**
- 3. Who is the mother cougar more likely to feed first, herself or her cubs?**
- 4. Would a real cougar continue to hunt after catching a deer? WHY OR WHY NOT?**
- 5. What would happen to the cougar population if all the rabbits died of starvation?**
- 6. What would happen to the different populations of prey if all of the cougars starved and died?**
- 7. Explain 1 way the rules for cougar survival are similar to human survival, and 1 way they are different.**

**Conclusion:** (answer the problem, summarize what we did, give a real-life application)