Name _____ Date _____

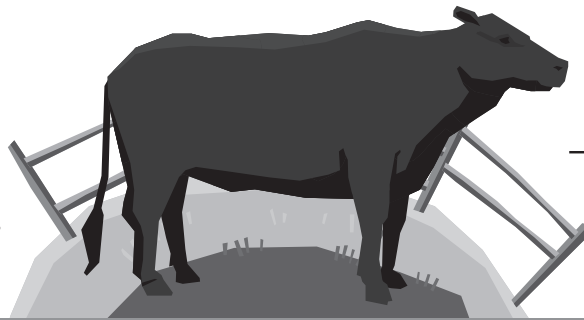*Criollo vs. Angus Cattle* _____   _____ *in a Changing Climate*

GET OUT AND GRAZE (GO AG!)

HISTOGRAM EXTENSION ACTIVITY

1. Refer to page 1 of the *Get Out and Graze* handout. When resources were **abundant**, how many cows of each breed consumed each number of food resources? In other words, group the number of cows by the number of food resources they consumed. For example, if two cows consumed four food resources each, in the number of resources column, write "4" and in the number of cows column, write "2."

Abundant Resources

ANGUS		CRIOLLO	
NUMBER OF RESOURCES	NUMBER OF COWS	NUMBER OF RESOURCES	NUMBER OF COWS

2. Refer to page 2 of the *Get Out and Graze* handout. When resources were **limited**, how many cows of each breed consumed each number of food resources?
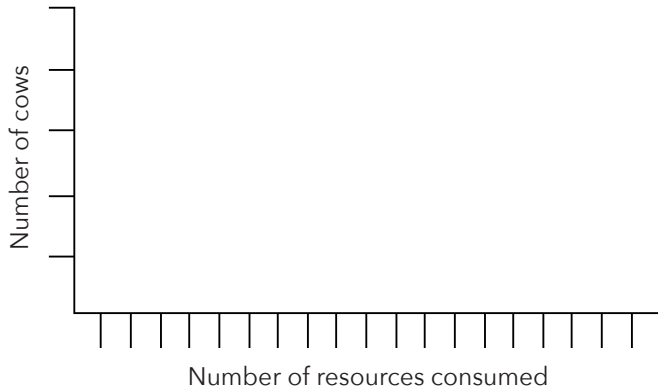
Limited Resources

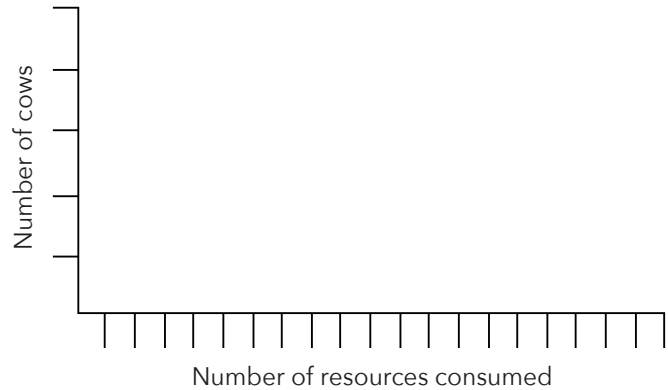| ANGUS		CRIOLLO	
NUMBER OF RESOURCES	NUMBER OF COWS	NUMBER OF RESOURCES	NUMBER OF COWS

3. Use the data from questions 1 and 2 to create histograms, graphs of the number of cows by number of resources consumed.

ANGUS
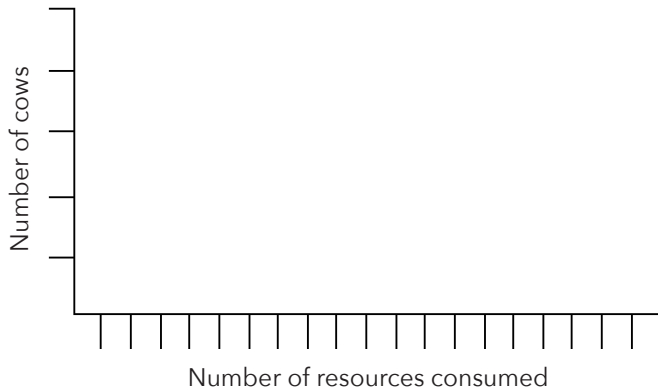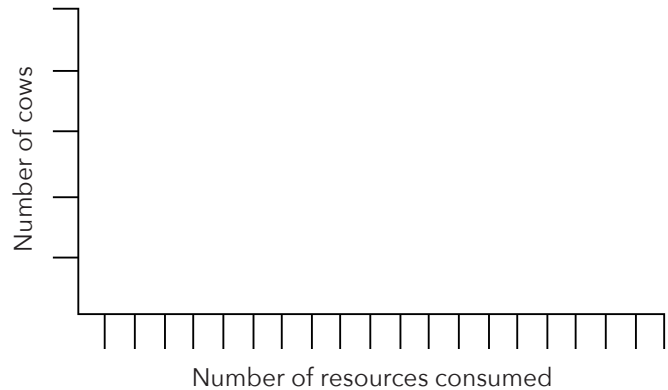### Abundant Resources

Number of cows

Number of resources consumed

CRIOLLO
Abundant Resources

Number of cows

Number of resources consumed

ANGUS
Limited Resources

Number of cows

Number of resources consumed

CRIOLLO
Limited Resources

Number of cows

Number of resources consumed

CONCLUSIONS

1. Describe similarities and differences in the way the data are distributed in the abundant resources and limited resources scenarios for **Angus cattle**. In other words compare and contrast how many **Angus** cows collected each number of resources in both scenarios.

2. Based on your answer to #1 above, in which scenario are Angus cattle less likely to need supplemental feed?

A. ABUNDANT RESOURCES   B. LIMITED RESOURCES

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