PW

Ecosystem Interactions: A Modeling Activity

Heading	Table #

DIRECTIONS: Each person in your group represents a different species (Species A, Species B, and Species C). You will interact with each other as you try to get resources (beads). Each species has a different set of instruction cards to follow. Don't let anyone else see your card, just do what it says.

Your teacher will instruct you on how to gather resources and will give you a time limit. Collect resources, place them in your cup, and after each round collect data for your group.

Team Member First Names:
Species A _____
Species B _____
Species C _____
Cardmaster _____

Data Table: Species Interaction Model				
ROUND ONE		Species A	Species B	Species C
	Number of beads collected in the cup.			
	Did the species collect enough food to survive?			
ROUND TWO		Species A	Species B	Species C
	Number of beads collected in the cup.			
	Did the species collect enough food to survive?			
ROUND THREE		Species A	Species B	Species C
	Number of beads collected in the cup.			
	Did the species collect enough food to survive?			
ROUND FOUR		Species A	Species B	Species C
	Number of beads collected in the cup.			
	Did the species collect enough food to survive?			

Analysis:

For each round, try to identify the type of interaction between species. Your answe

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competition mutualism commensalism parasitism onship

Round One

Species A and B have _____.

Species B and C have _____.

Species A and C have _____.

Round Two

Species A and B have _____.

Species B and C have _____.

Species A and C have _____.

Round Three

Species A and B have _____.

Species B and C have _____.

Species A and C have _____.

Round Four

Species A and B have _____.

Species B and C have _____.

Species A and C have _____.

Conclusion: Using what you have learned about ecological interactions, provide an example of each interaction that involves our own species, human beings.

1. Competition: _____

   _____

2. Mutualism: _____

   _____

3. Commensalism: _____

   _____

4. Parasitism:_____

   _____