





Food Chain Checkers

Every time the first player (diatom) moves, record the number of individuals of each species that are on the board (number of diatom game pieces, copepod game pieces, etc.) Then graph the information on the next page.





Populations Over Time

Round 1 (basic rules)

				
Time	Diatom	Copepod	Herring	Whale
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				

Populations Over Time

Round 2 (modified rules)

				
Time	Diatom	Copepod	Herring	Whale
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				

Play for 10 minutes and answer these questions...

How is this game like a real food chain?

How is this game *not* like a real food chain?

How many do you have on the board after 10 minutes of play?

Diatoms	
Copepods	
Herring	
Whales	

How can you make it better? Suggest a way that you would change the rules of the game to better account for each of your items that you identified as missing above. In other words, how would you build a better game? In round two of the game, you will play according to your new rules.