# **Oh, Deer Game Data Assignment**

#### Due Monday September 24, 2018

## Procedure

- 1. For each set of data create a line graph to display all pieces of information. Be sure that all of the axis are clearly labelled with units and your graph has a title. You will have to have a way to distinguish between the different lines of your graph. (maybe color code?)
  - a. USE THE GRAPH PAPER ATTACHED

Round	# Deer	# Resources
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Round	# Deer	# Resources	# Wolves
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
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Game 2 – Oh, Deer Plus Wolves

Round	# Deer	# Resources	Invasive Species
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
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Game 3 - Oh, Deer Plus Invasive Species

Science 10

Game 1 Graph

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Game 2 Graph

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## QUESTIONS

1. For Game 1, what happened to the deer population when the resources got low? What happened to the resources after the deer population dropped?

2. For Game 2, why did the deer population not get high in this game? What role did wolves play in this?

3. Written response – In Game 2 - What do you think would happen if we introduced a hunter into the game? The hunter can take two wolves per round. What effect would this have on the deer? What effect would this have on the resources?

4. For Game 3, what happened to the invasive plant species population as the game went on? What happened to the deer population once the invasive plant species population got higher?

### Mark Breakdown

## Graphs:

3 marks each (complete, label all axis and title, units)

**Questions:** 2 marks each

Total mark: /16