In this lab you will analyze data on Snowshoe Hare (prey) and Lynx (predator).

**Procedure**: Graph the following data either by hand, or in Excel using an XY scatter plot.

		Lynx Population
year	Snowshoe Hare Population (thousand)	(thousand)
1855	80	40
1857	62	
1859	20	7
1861	5	4
1863	140	20
1865	160	60
1867	80	75
1869	10	5
1871	20	10
1873	60	30
1875	100	60
1877	70	100
1879	20	20
1881	20	20
1883	60	40
1885	140	80
1887	100	40
1889	30	20
1891	50	20
1893	65	40
1895	85	55
1897	20	30
1899	5	5
1901	5	10
1903	50	20
1905	55	70
1907	40	30
1909	30	20
1911	80	30
1913	50	40
1915	10	40
1917	5	30
1919	10	5
1921	80	10
1923	50	40
1925	10	60

- 1. When were the 2 highest populations of snowshoe hares?
- 2. When were the 2 highest populations of Lynx?
- 3. What went up first, the hare or the lynx population?
- 4. When the Lynx population began to get bigger, why did the Hare population drop?
- 5. What other natural things in the ecosystem could effect Lynx and Hare populations (other than humans)? List as many as you can and indicate + or for how it would effect the number of individuals.

6. Give an example of a predator prey relationship in Pennsylvania.

7. How do humans interfere with predator prey relationships? List as many as you can and indicate + or – for how it would effect the number of individuals.

8. "Wildlife Biology" did not exist during the 1800's. Where do you think we got the data for Hare and Lynx? (Hint: Where did we get our Shad data?)