

Predator Prey Simulation

Go to the website:

http://www.phschool.com/atschool/phbio/active_art/predator_prey_simulation/index.html

- 1. Using the next button, and reading the tutorial section: Explain what happens to the prey population when the predator population decreases**

- 2. Explain what happens to the predator population when the prey population increases.**

- 3. Hypothesize which moose are being eaten most frequently by the wolves, and how this affects the overall health of the moose population.**

- 4. Click on the simulation button: Explain what happens to the wolf population if they become more effective predators?**

- 5. Using the different simulation buttons, describe the ideal starting positions (not the reset starting numbers) for both populations.**

- 6. Using the different simulation buttons, describe the worst starting positions (not the reset starting numbers) for both populations.**

- 7. Explain how the wolves can be helpful to the moose population. (What would happen if there were no wolves?)**

