**Population Dynamics Introduction Handout**

**As you work your way through the population dynamics introduction video, answer the following questions to help you collect the relevant information.**

1. **Define the following terms and where possible, give an example:**
2. **Autotroph**
3. **Heterotroph**
4. **Mutualism**
5. **Parasitism**
6. **Predator and prey**
7. **The food chain**
8. **What is intra-specific competition? Provide an example.**
9. **What is carrying capacity?**
10. **What is interspecific competition? Provide an example. How can species avoid this type of competition?**
11. **What are population cycles? Describe why and how vole populations undergo population cycles.**
12. **Describe and explain what happened to the peppered moth population during the industrial revolution.**
13. **What is mimicry?**
14. **Many factors affect the size and structure of a population. What are some of the way that humans could affect a population, either negatively or positively?**