**Ecology Review**

*ECOLOGY UNIT TEST* ***MONDAY MAY 16th,*** *2016*

**Part 1: Population Ecology**

1. Determine limiting factors. What are they? Why do they limit populations?
2. What is a carrying capacity?
3. What is a human impact? How does this effect populations?
4. Invasive species. What are they? What do they do?

**Part 2: Community Ecology**

1. Commensalism, Parasitism, Mutualism (define and know the difference)

**Part 3: Ecosystem Ecology:**

1. Niche and Habitat (know the difference and the meaning of each)
2. Trophic levels (Producer, Primary Consumer, Secondary Consumer, Tertiary & decomposers)
3. Herbivore, omnivore, carnivore – roles and importance
4. Food chains vs. food webs

**Part: Biosphere Ecology:**

1. Abiotic and Biotic factors (KNOW THE DIFFERENCE)
2. Nitrogen Cycle
3. Water Cycle
4. Carbon Cycle
5. Means of biodiversity (overexploitation, habitat fragmentation, introduced species, species preservation)

**Part 4: Ecology Vocabulary**

1. What is the study of Ecology?
2. Levels of organization (organism, population, community, ecosystem, biosphere)