**Checkpoint #1 – Topics:**

1. **Abiotic/biotic**
2. **Ecological roles** – producer, primary, secondary, tertiary (high – order) consumer (herbivore, carnivore, omnivore), predator prey, decomposer, detrivore, autotroph, heterotroph
3. **Tophic Levels**
4. **Symbiosis** – mutualism, commensalism, parasitism
5. **Food chains/webs, pyramids (**biomass, number and energy) **and webs**
6. **Competition and predator prey cycle**
7. **Limiting factors, carrying capacity**