

## Answer Key – Ecosystems Review

### Part A

1. True
2. False
3. True
4. False
5. False

### Part B

1. D
2. A
3. D
4. B
5. A
6. B
7. A
8. D
9. D
10. C
11. A
12. B
13. B
14. B
15. A
16. C

### Part C

1. Any reasonable explanation. (answer should refer to idea that populations cycle - could be predators, weather, food supply)
2. Any food chain. Label producers, primary and secondary consumers.
3. The concentration of DDT is higher at higher trophic levels because of biomagnification. Animals in the first trophic eat small amounts of DDT that stay in their bodies. Animals in the second trophic level eat many animals in the first trophic level and thus have more DDT in their bodies.
4. Amount of sunlight and water; amount of food; number of possible mates; amount of space (overcrowding)
5. Decomposition (e); Combustion (b); Cellular respiration (a); Photosynthesis (c); Wastes/death (d)