

1. For each of the following descriptions about animals state if it is

- a. Endangered
- b. Extinct

- c. Extirpated
- d. Threatened

e. Vulnerable

i. Dinosaurs are no longer found anywhere (B)

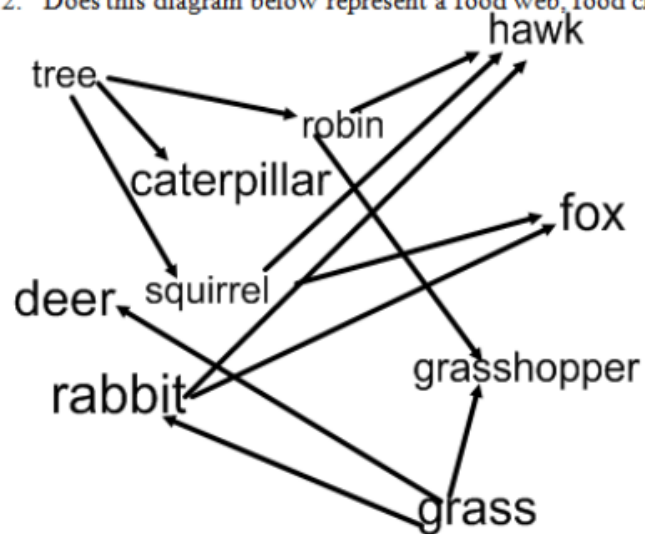
ii. The grey fox is at risk because of low or declining numbers (E)

iii. The grizzly bear is no longer found in Manitoba and Saskatchewan, but is still found in Alberta and BC (C)

iv. The piping plover is likely to become endangered if factors that ensure its survival are not improved (D)

v. The whooping crane is close to extinction in all parts of Canada or a significantly large location (A)

2. Does this diagram below represent a food web, food chain or food pyramid? **Food Web**

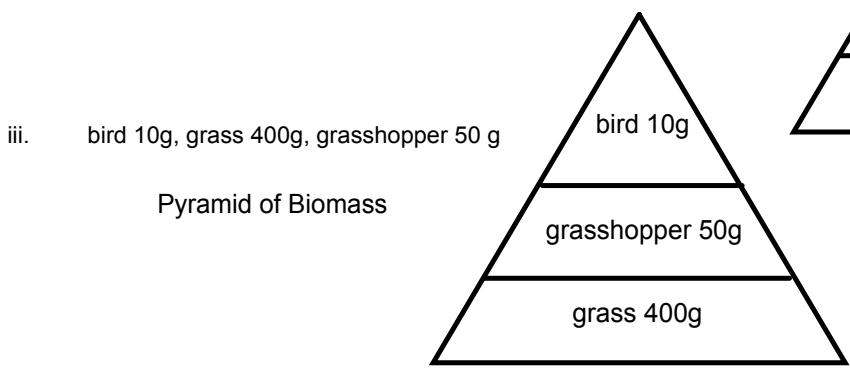
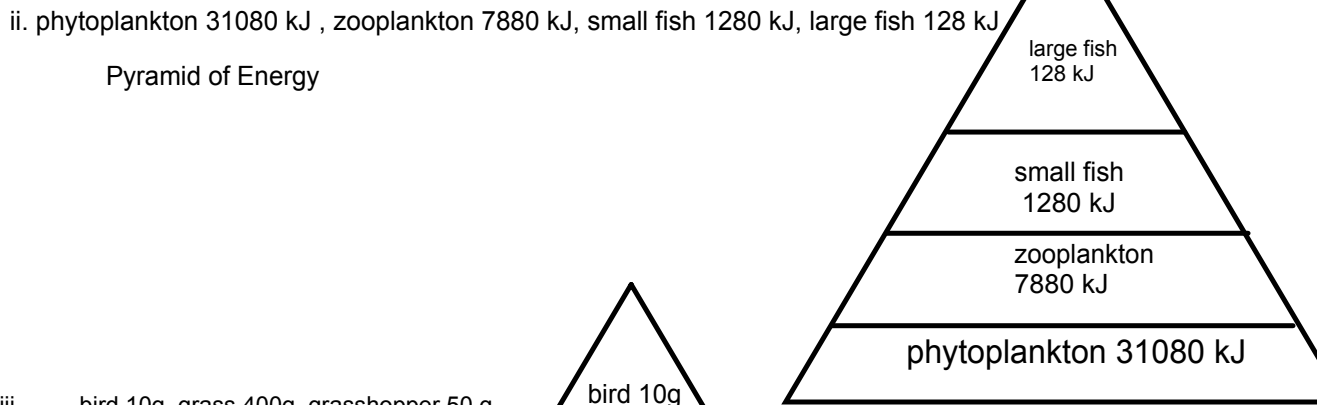
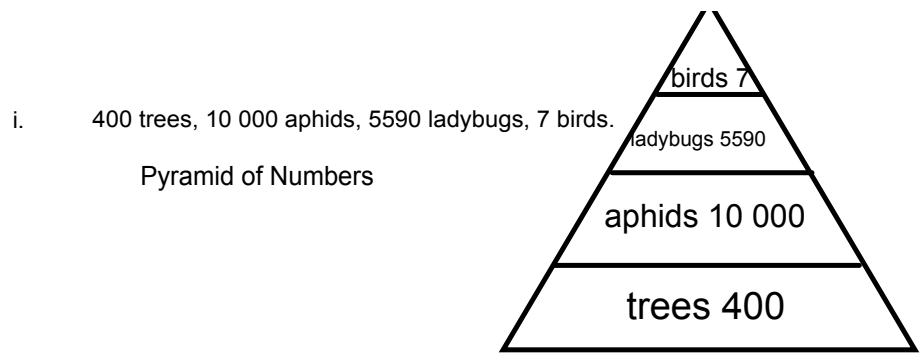


b. Name one animal that fits each of these categories

- i. producer – **tree or grass**
- ii. Secondary consumer **grasshopper, fox, robin, hawk**
- iii. Herbivore – **caterpillar, robin, squirrel, grasshopper, rabbit, deer**
- iv. Primary consumer – **rabbit, grasshopper, deer, caterpillar, squirrel, robin**
- v. Tertiary consumer - **hawk**

c. If the tree was removed from this diagram what other organisms would be effected and in what ways? **The robin, caterpillar and squirrel would decrease in numbers and have to find another food source. The organisms that eat these organisms would also experience a decline because their food source has been depleted.**

d. If there were an increase in the number of foxes, explain how would it affect the other organisms? **The other organisms would benefit from more food source and would also increase.**



Ecosystem Review Answers

1. ecosystem
2. food chain
3. herbivores
4. carnivores
5. omnivores
6. detritus
7. decomposer
8. increase
9. decrease
10. grass
11. deer
12. habitat
13. skin/ecosystems
14. extinct
15. endangered
16. extirpated
17. threatened
18. vulnerable
19. biodiversity
20. passenger pigeon
21. N/A
22. ecology
23. abiotic
24. sunlight/water
25. biotic
26. animals/plants
27. population
28. community
29. ecotone
30. rainforest
31. desert
32. artificial
33. natural
34. trophic level
35. autotroph
36. heterotroph
37. food web
38. primary consumer
39. secondary consumer
40. 1st law of thermodynamics
41. 2nd law of thermodynamics
42. numbers, energy and biomass
43. N/A
44. ecological niche
45. exotic species