Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Chapter 2 – Key ideas:

1. Define niche. (2.1)
2. List and describe the 6 different niche roles we discussed in class. (2.1)
3. Explain how producers and decomposers link the living and non-living parts of ecosystems. (2.1)
4. Why is some energy lost at each level in a food chain? (2.4)
5. Using your own words, describe why there are usually few large carnivores than herbivores or producers in an ecosystem? (2.4)
6. What would happen if there were no decomposers in an ecosystem? (2.5)
7. Define symbiosis. (Photocopied sheet)
8. List and describe the three different types of symbiosis we discussed in class. (Photocopied sheet)
9. Recalling what you learned about natural selection, what do you think will happen to each species in a symbiotic relationship over time?
10. Wolves do not eat plants, but they could not survive in an ecosystem without plants. Use what you learned about ecosystems and food chains to explain why.