

## Entomology

Questions are based upon Jeff Knight's lecture. Additional resources can be found on the cd you received on the first night of class.

1. What are the three anatomical parts of insects. (3pts)
2. How can you tell an adult insect from a juvenile? (2pts)
3. What does "ptera" mean in terms of insect classification? (1pt)
4. How many total legs do insects have? (2pts)
5. Name three types of mouth parts of an insect. (3pts)
6. What are the two most common types of metamorphosis? (2pts)

7. Why is it important to know what type of metamorphosis insects go through? (2pts)
  
  
  
  
  
  
  
  
  
  
8. How can you distinguish centipedes from millipedes? (2pts)
  
  
  
  
  
  
  
  
  
  
9. How can you distinguish spider mites from insects?
  
  
  
  
  
  
  
  
  
  
10. What is a cool feature of scorpions? (hint: it helps in locating them at night). (2pts)
  
  
  
  
  
  
  
  
  
  
11. Why are spiders important in a landscape or nursery?
  
  
  
  
  
  
  
  
  
  
12. Do brown recluse spiders occur in northern Nevada? (2pts)
  
  
  
  
  
  
  
  
  
  
13. Thrips have what kind of mouth parts? (2pts)

14. Aphids have what kind of mouth parts? (2pts)
  
  
  
  
  
  
  
  
  
  
15. What three insects transmit all of the plant viruses in northern Nevada?  
(3pts)
  
  
  
  
  
  
  
  
  
  
16. In the spring, your client complains of curled, sticky, shiny and "sappy"  
leaves on their deciduous trees. What insect is causing the problem?  
(2pts)
  
  
  
  
  
  
  
  
  
  
17. Scales have what kind of mouth parts? (2pts)
  
  
  
  
  
  
  
  
  
  
18. When is it most effective to control scale? (2pts)



26. Bees have what kind of mouth parts? (2pts)
27. In general, beetles infect what kind of trees? (2pts)
28. What will the sap of a tree infected with a bark beetle look like? (2pts) For an extra point – what is the name of the stuff in the sap.
29. What is the only way to control ants? (2pts)
30. When and where should you place a yellow jacket trap to effectively control them? (2pts)
31. Why are lacewings a beneficial insect?

32. Does releasing captive Ladybird beetles really work? Why or why not?  
(2pts)