Review questions

1. What are the basic differences between insects and humans?*

2. What are the anatomical differences between insects and arachnids?

3. What does the “ptera” stand for in many insect order names?

4. Why is the type of mouthparts on an insect important?

5. Arthropods often are classified as beneficial, harmful, or neutral. In which category would you place each of the following and why? (Mark each with B for beneficial, H for harmful, or N for neutral.)*
   ______ Centipede
   ______ Flea
   ______ Bald-face hornet
   ______ Boxelder bug

   (continued)

*You may need to use other chapters, additional reference materials, or your own experience to answer this question fully.
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___ Ladybird beetle
___ Earwig
___ Ant
___ Aphid
___ Swallowtail butterfly
___ Mantid

6. How do insects communicate?*

7. If a client brings in an invertebrate found in the house, how would you proceed to identify it and to help the client manage the problem?

8. What is the function of insects in the environment? Discuss both their good and bad aspects.

*You may need to use other chapters, additional reference materials, or your own experience to answer this question fully.
9. Why would it matter if some types of insects were eliminated?*

10. What is the significance of metamorphosis?*

*You may need to use other chapters, additional reference materials, or your own experience to answer this question fully.