St Clair County

Honeybee Project Record Book

Exhibitor name: _____ Age: _____

4-H club name _____

Picture of hive used for project activity

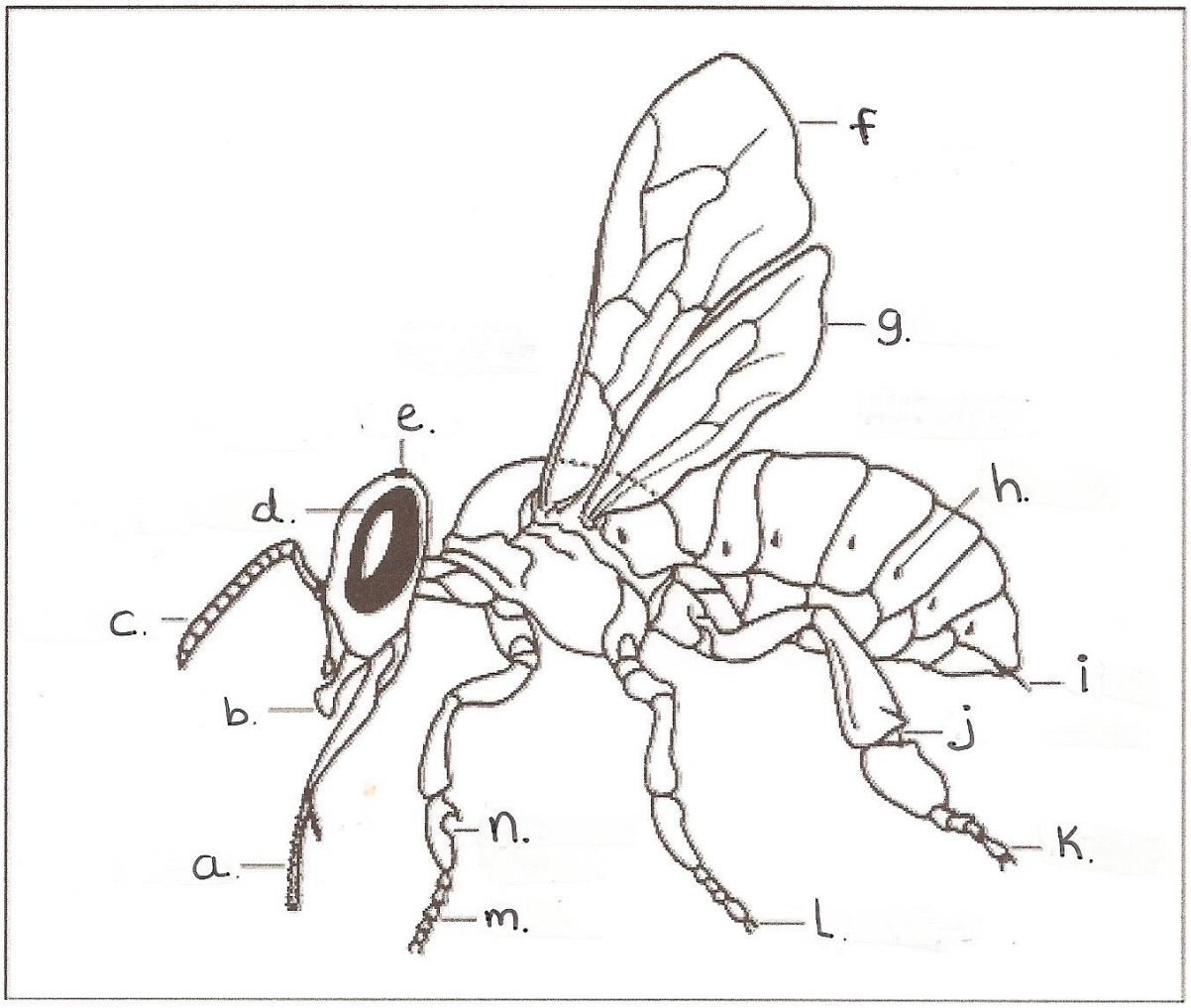
Member signature: _____

Adult supervisor signature: _____

Project Record Book Requirements

- A project record book must be completed in order to show any product of the hive.
- Project record book should be presented in a white one inch binder.
- Exhibitor must include a picture of the hive used for their project on the cover of the project record book.
- Exhibitors are encouraged to decorate their project record book, additional labeled pictures of the hive and bees may be included at the end of the book.
- Project record book must include all hive observation sheets, all sheets must be signed by an adult supervisor.
- Observation sheets completed after July 1 must be presented with the exhibited product.
- The project requires that the exhibitor visits at least one hive other than their home hive. An observation sheet must be filled out with the date and location of that hive visit.
- Project record books are due to the Fair office no later than July 1st.

Parts of the Bee



Label the indicated parts

a. _____ h. _____

b. _____ i. _____

c. _____ j. _____

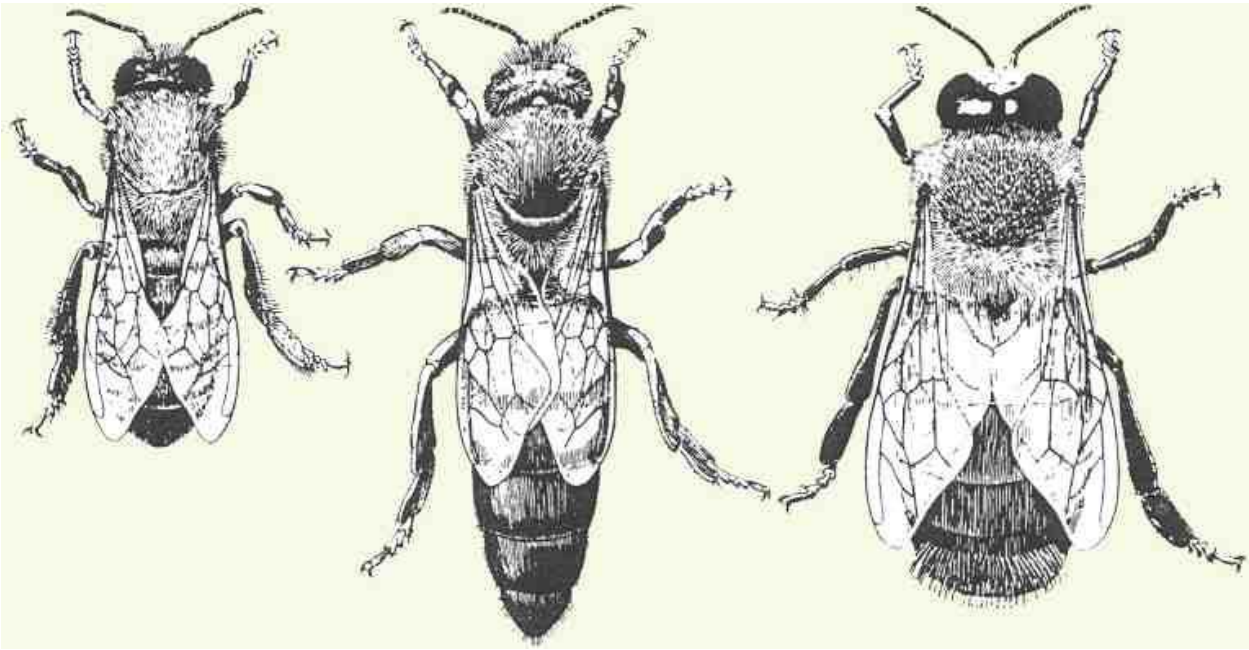
d. _____ k. _____

e. _____ l. _____

f. _____ m. _____

g. _____ n. _____

Types of Bees



Which caste of bee is which? (queen, worker or drone)

A. _____

B. _____

C. _____

The Hive

Using the picture on the next page name the parts of the hive.

a. _____

b. _____

c. _____

d. _____

e. _____

f. _____

g. _____

h. _____

What is a queen excluder and why do you use one?

_____

_____

_____

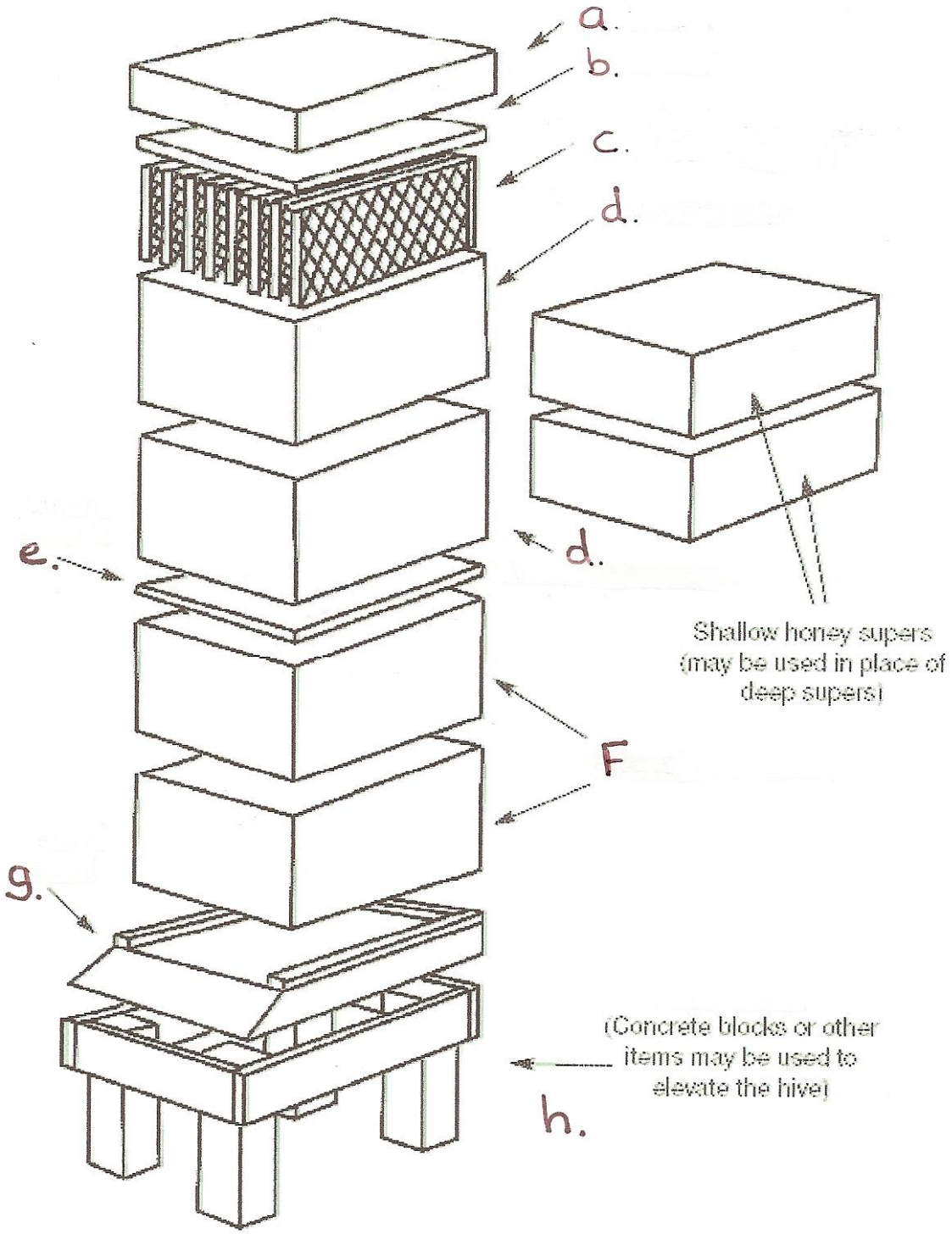
_____

_____

_____

_____

The Hive


a.
b.
c.
d.
d.
e.
F
g.
h.
Shallow honey supers
(may be used in place of
deep supers)
(Concrete blocks or other
items may be used to
elevate the hive)

Bee Life

1. Using resources such as the internet and the local Extension office find out which crops are grown within St. Clair County. Which of these crops needs bees for pollination?

   _____

   _____

   _____

   _____

   _____

   _____

2. Tell us a little about the function of each type of bee in the hive.

   The Queen _____

   _____

   _____

   The worker _____

   _____

   _____

   The drone _____

   _____

   _____

3. How long does each type of bee live?

_____

_____

_____

4. What are some necessary pieces of equipment for working the hive? Give a brief description of each. _____

_____

_____

_____

_____

_____

_____

5. Why should your hive be elevated off the ground? _____

_____

_____

6. What are some considerations you might need to make before becoming a backyard beekeeper? _____

_____

_____

_____

_____

7. Describe a perfect beehive location. _____

_____

_____

_____

8. Name one disease that honeybees are susceptible to, describe the signs and what if any treatment can be given. _____

_____

_____

_____

_____

9. What is the difference between nectar and pollen?

_____

_____

_____

10. What is burr comb? _____

_____

_____

_____

11. Tell us about the product of the hive you are showing. What did you have to do to harvest it? How did it go? What did you have to do to prepare this to exhibit?

_____

_____

_____

_____

_____

_____

Review of the year

What did you think going into this project at the beginning of the year?

_____

_____

What did you learn from completing this project? _____

_____

_____

Is there anything you would change for next year, and do you plan to continue working with bees? _____

_____

_____