

Bee Biology / Anatomy Test

1. Name the Genus of the Honeybee? **APIS**
2. Name the species of the honeybee we raise. **MILLEFERA**
3. Name two races of the honeybee. **ITALIAN, CARNIOLAN, GERMAN, RUSSIAN, SASKATRAZ, CAUCASIAN, BUCKFAST, CORDOVAN**
4. Name the 3 members of a honeybee colony. **QUEEN, WORKER, DRONE**
5. What are the 4 stages of bee development? **EGG, LARVAE, PUPAE, ADULT**
6. What are the 3 major sections of the bee's body? **HEAD, THORAX, ABDOMEN**
7. The queen lays approximately how many eggs a day? **1500/2000**
8. The worker bee is a _____? And what kind of egg? **FEMALE, FERTILIZED**
9. The drone is a _____? And is what kind of egg? **MALE, UNFERTILIZED**
10. Approximately how many days does a worker bee live in the summer? **42**
11. Approximately how long does a queen live? **2-5 YEARS**
12. How long is the brood cycle for a Queen (Egg to Adult)? **16 DAYS**
13. How long is the brood cycle for a Worker bee? **21 DAYS**
14. How long is the brood cycle for a drone? **24 DAYS**
15. Why is it important to know what the brood cycle of the drone is? **SAME AS VARROA MITE**
16. What are all eggs/larvae fed first? **ROYAL JELLY**
17. What are the larvae of the worker bee and the drone fed after Royal Jelly? **BEE BREAD (HONEY/POLLEN MIXTURE)**
18. What is the queen egg not fed? **BEE BREAD**
19. How does a bee breath? **TRAECHEA, SPIRICLES**
20. Why does a bee collect nectar? **TO MAKE HONEY, FOOD SOURCE, CARBOHYDRATES**
21. Why does a bee collect pollen? **POLLEN IS PROTEIN TO BE FED TO DEVELOPING LARVE**
22. Do adult bees eat pollen? **YES but not much** (in Beekeeping for Dummies 5e, p.252; Pollen is especially critical for larvae (to help them grow and develop),

and for new adults (to kick-start their ability to produce brood food, pheromones, beeswax, and so on). Studies show bees with access to high-quality pollen have lower pathogen levels, develop more brood for successful overwintering, and are less susceptible to Nosema.

23. When Bees are out Foraging Where do they store the Nectar? **IN THEIR HONEY STOMACH**
24. What do the bees use Honey for? **Food for Larvae and adult Bees.**
25. Does a queen have a stinger? **YES**