Honey bee biology

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Epidermis + cuticle = integument
The fore and hind wings are held together with little hooks called hamuli.
Honey bee hairs are branched

corbiculum opposed to scopa
Spiracles

Air Sac

Trachea
Complete metamorphosis, development times differ
Apis florea
Apis dorsata
40 liters
Apis mellifera spp.
AS A BEE AGES . . .

- CAP BROOD: 5.6
- CLEAN CELLS: 7.6
- FEED BROOD: 9.8
- RECEIVE NECTAR: 13.1
- CLEAN HIVE: 13.3
- ORIENT: 14.2
- GUARD HIVE: 18.5
- FORAGE: 23.4
Nasonov
Isoamyl acetate
9-oxodecenoic acid (9-ODA)
9-hydroxy-(E)-2-decenoic acid (9-HDA)
Brood pheromones