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**Bee Dichotomous Key**

|  |  |  |
| --- | --- | --- |
| **Classification** | **If yes, go to** | **If no, go to** |
| 1. Is it a large, hairy bee (greater than 10 mm long)? | 2 | 3 |
| 2. Is the bee’s third body segment covered in long hair on the top surface? | Bombus sp. (bumblebee) | Xylocopa sp. (carpenter bee) |
| 3. Is the bee shiny with few hairs? | 4 | 7 |
| 4. Is it medium-sized (10 mm long) and metallic green, with males having a yellow third body segment? | Agapostemon texanus (ultra-green sweat bee) | 5 |
| 5. Is it mostly black with yellow on its face and without long pollen-collecting hairs on its legs? | Hylaeus sp. (yellow-faced bee) | 6 (Halictini) |
| 6. Are the outer veins of the forewings (bigger wings) thinner and weaker than the other wing veins? | Lasioglossum sp. (small sweat-bee) | Halictus sp. (furrow bee) |
| 7. Does the bee have long hairs on its eyes? | Apis mellifera (European honeybee) | 8 |
| 8. Does the bee have a very furry and golden second body segment, with light bands of hair on the third body segment? | Peponapis pruinosa (pruinose squash bee) | 9 (Apinae) |
| 9. Does the bee have a third "toe" between the two claws at the end of the feet, and a finger-like plate sticking out from the end of its third body segment? | Diadasia bituberculata (chimney bee) | Melissodes sp. (long-horned bee) |

*Adapted from:* [*https://escholarship.org/uc/item/7fb2588m#author*](https://escholarship.org/uc/item/7fb2588m#author)

**Bee Dichotomous Key Answer Key**

Bee #1: *Bombus* sp. (bumblebee)

Bee #2: *Xylocopa* sp. (carpenter bee)

Bee #3: *Agapostemon texanus* (ultra-green sweat bee)

Bee #4: *Apis mellifera* (European honeybee)

Bee #5: *Halictus* sp. (furrow bee)

Bee #6: *Lasioglossum* sp. (metallic-sweat bee)

Bee #7: *Hylaeus* sp. (yellow-faced bee)

Bee #8: *Peponapis pruinosa* (pruinose squash bee)

Bee #9: *Diadasia bituberculata* (chimney bee)

Bee #10: *Melissodes tepida timberlakei* (long-horned bee)