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**Bee Dichotomous Key**

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| **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)