



Additional Activities

Honey Bee Trivia Questions

Divide the class into teams to play this Honey Bee Trivia Game. Students choose the level of difficulty and earn points by correctly answering a question from that point category.

Larva = 1 point questions

Pupa = 2 point questions

Adult = 3 point questions

Larva Questions —1 point each

- What is the food fed to the baby queen bee?
(Royal jelly)
- How does a worker bee tell the others when she has found a good source of food?
(She "dances")
- How many times can a single worker bee sting a mammal?
(Once)
- What is the only purpose of the drone?
(To mate with the queen)
- What are two reasons honey bees are beneficial?
(Honey production and pollination)
- How many sides does an individual honeycomb cell have?
(Six)
- What do bears and people have in common that can affect bees?
(They both like honey)
- What kind of animal is the honey bee?
(An insect)
- Which is larger, a worker or a queen?
(Queen)
- What is the purpose of a bee veil?
(To protect the head and face of a beekeeper)
- What are scout bees?
(Worker bees that find new food sources)
- How many days does it take a honey bee egg to hatch?
(Three)
- What is the process called when an insect develops in stages from egg to maturity?
(Metamorphosis)
- How did honey bees originally get to America?
(Honey bees were brought by the pilgrims)
- Name the three body sections of an insect.
(Head, thorax, abdomen)
- What is beebread?
(Pollen mixed with nectar)
- What is the name of the polygon used as honey bee cells?
(Hexagon)
- How many states have crops pollinated by honey bees?
(All 50)
- Name two fruits that rely heavily on honey bees for pollination.
(Apples, blueberries, cherries, watermelon, cantaloupe, honeydew, pears, plums)
- What is the most common type of honey in the United States?
(Clover)

Adapted from the National Honey Board

Additional Activities

Honey Bee Trivia Questions (continued)

Pupa Questions — 2 points each

- What does a beekeeper use to calm bees?
(Smoke)
- What is the male part of the flower where the pollen is developed and contained?
(Anther)
- Give three tasks of the worker bee.
(Any of the following: hive cleaning, feeding the brood, caring for the queen, feeding the drones, guarding the hive, fanning the nectar, building cells, collecting pollen and nectar)
- How many wings do honey bees have?
(Four)
- Name the straw-like appendage that bees use to suck nectar.
(Proboscis)
- Where in the hive does the queen lay eggs?
(Brood chamber or brood cells)
- Where does royal jelly come from?
(It is secreted from a gland in the head of a worker bee)
- Name two tools that a beekeeper would use.
(Any of the following: smoker, hive tool, heat knife, extractor, strainer)
- What are a honey bee's mandibles?
(Jaws)
- Which type of bees develops from unfertilized eggs?
(Drones)
- Why can't drones help to defend the colony?
(Drones do not have stingers)
- Name the two main types of dances honey bees use to communicate.
(Round dance and waggle dance)
- Where do bees store pollen on their return flight to the hive?
(Pollen baskets on their hind legs)
- What is nectar?
(The sugary liquid found in flowers)
- What do you call the colorful, thin structures of a flower that attract insects and protect the pistil and stamen?
(Petals)

Adult Questions — 3 points each

- The color of honey is a result of what?
(The kind of blossoms the bees are gathering nectar from)
- Which spends more days in the cell as an immature bee, the worker or the queen?
(Worker bees take five days longer to completely develop)
- Why are honey bees called social insects?
(They share the same dwelling and practice division of labor)
- What is it called when the ovules of a plant receive the pollen developed in the anthers?
(Pollination)
- Name two products, besides honey, that bees make.
(Wax, royal jelly)
- Why is it a good idea to wash your clothes after being stung?
(Because when bees sting they leave behind a pheromone that attracts other bees)

Adapted from the National Honey Board

- Name two things a beekeeper needs to do to help the hive survive through a long winter.
(Feed the bees and shelter the hive)
- Why are the stingers of the wasp and hornet reusable while the stinger of the honey bee kills the bee?
(The honey bee's stinger is barbed. Hornet and wasp stingers are smooth)
- Why can't drones gather their own food?
(They do not have a long enough proboscis and can therefore not suck nectar)
- What is propolis?
(The sticky substance collected by bees used to construct and seal parts in the hive and protect the hive from the elements)
- What do you call the female elements of a flower?
(Pistil)
- What do you call the male elements of a flower?
(Stamen)