

- ✕ Linda D. Tillman, Ph.D.
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MEET THE BEE

WHO KNOWS WHAT THIS IS?



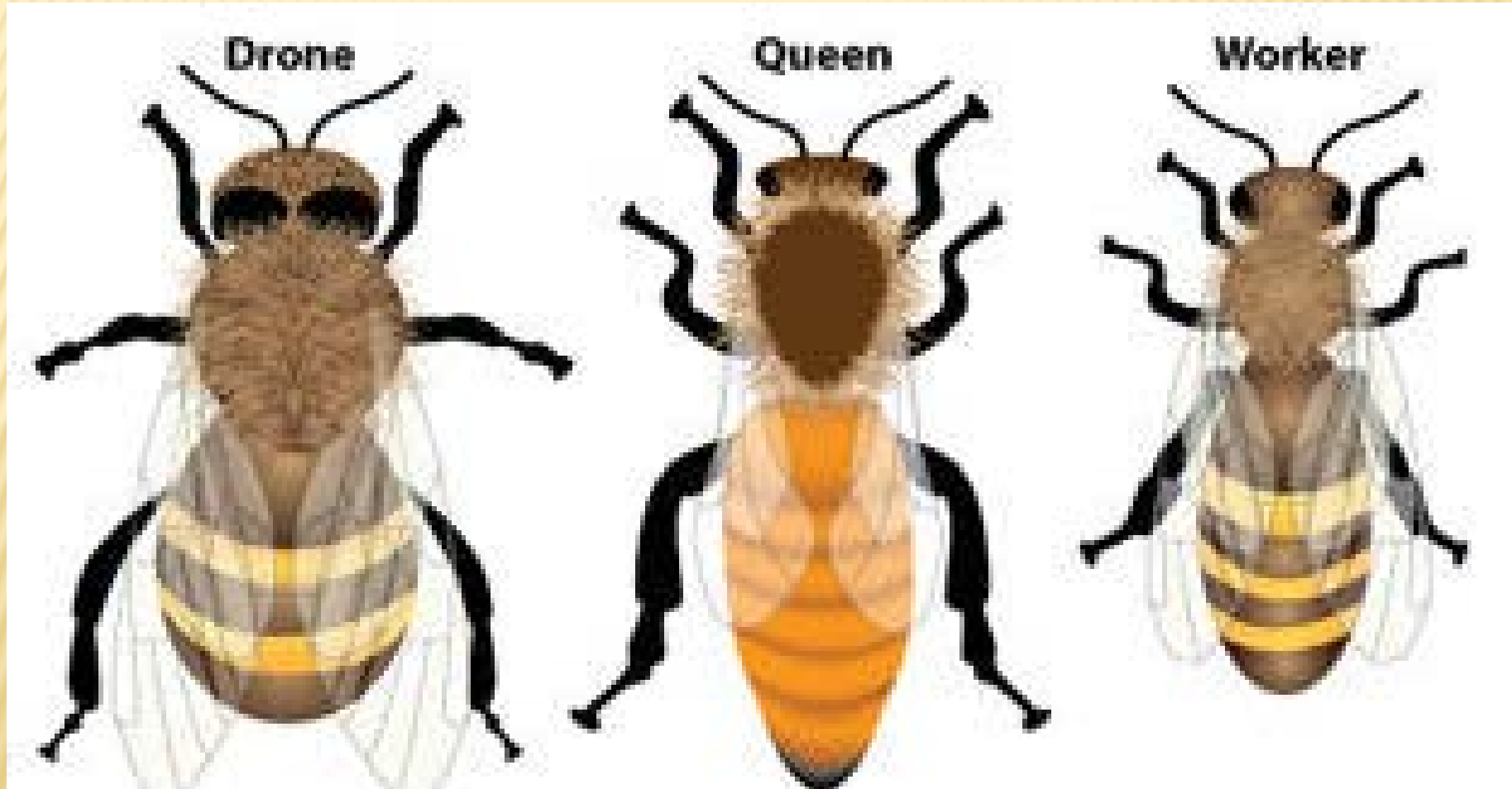
YELLOW JACKET



HONEY BEE



THREE TYPES OF BEES



THE FAMILY IN THE BEE HIVE



REPRODUCTION TAKES PLACE WHEN THE QUEEN BEE LAYS EGGS



EGGS AND TINY C-SHAPED LARVAE



LARVAE IN ALL STAGES



BEE: FROM EGG TO LARVAE TO WORKER



**BEEES REPRODUCE IN TWO WAYS – A SWARM IS THE
SECOND WAY**

THE NEW WAX IS VERY WHITE



WORKERS FESTOON TO BUILD THE COMB



BEEES BUILD WAX COMB



BEEES BUILDING WAX

THE JOBS OF THE WORKER IN THE HIVE



BROOD COMB



HONEY COMB



WAX BASIS FOR BROOD AND HONEY

POLLINATION WITHOUT BEES



BEEES ARE NEEDED FOR POLLINATION



WITHOUT BEES



Photos from Whole Foods

BEEES HAVE HAIR ALL OVER THEIR BODIES





BEES LOVE FLOWERS FOR NECTAR AND POLLEN

Blackberry on the shore of Black Rock Mountain Lake



BUTTERFLY WEED

All over the fields of Rabun County in the summer time



JAPANESE KNOT WEED

Grows along the path at Black Rock Mountain Lake



CLEOME

In my front yard in Atlanta, but you can find it in Rabun County as well



ON A MUTABILIS ROSE



ANISE HYSSOP

In my garden in Rabun County

On the path around Black Rock
Mountain



GOLDEN ROD

FATSIA JAPONICA





**BEEES ARE GREAT POLLINATORS FOR
CUCUMBERS**

THEY COLLECT POLLEN TO FEED LARVAE



POLLEN IS IN POLLEN BASKET ON HER LEG



WHEN THEY VISIT FLOWERS, THE BEES
COLLECT POLLEN TO USE IN THE HIVE

POLLEN STORED IN THE HIVE





BEES STORE THE NECTAR

They evaporate the moisture over time and when it is only about 18.6% water, then they cap the honey

WHEN A BEEKEEPER OPENS A HIVE





CAPPED HONEY, READY FOR HARVEST



YOU MIGHT SEE A BEARD ON THE HIVE



MOSTLY YOU'LL SEE BEES FLYING IN AND OUT

HOW BEEKEEPING HAS ADDED TO MY LIFE

- ✖ Construction skills
- ✖ Biology knowledge
- ✖ New craft – producing honey and wax products
- ✖ Aware of the weather
- ✖ Aware of what's blooming
- ✖ A calmer approach
- ✖ Bee-ing more ecological



GBA SPONSORED NEW LICENSE PLATE



ENJOY THE BEES A-BUZZ IN THE GARDEN



Photos on this presentation are from my blog

WWW.BEEKEEPERLINDA.COM

(WHEAT, BANANAS, OTHER CROPS AND BEE STING PHOTOS ARE FROM
INTERNET CLIP ART)