

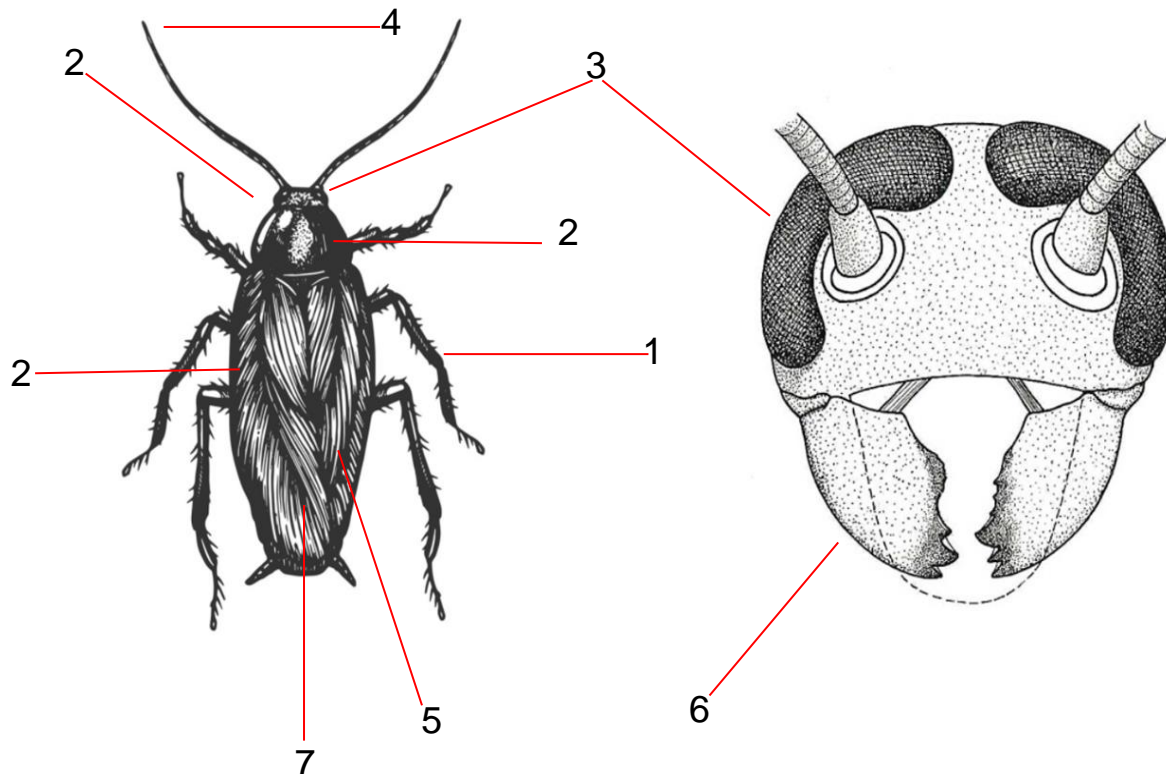


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Part I. Defining Insects

Answer the questions about characteristics that define an insect and name them on the insect below:

1. Insects are classified under the phylum Arthropoda meaning “_____” and the subphylum Hexapoda meaning “_____”.
2. Insects have three body segments (in order): _____, _____, and _____.
3. Insects are able to have special sight with these kinds of eyes: _____.
4. These long thin structures are like sensors that help insects smell around them: _____.
5. Insects have _____ that make them the only invertebrates able to fly.
6. All insects have different types of these structures that allow them to eat certain things: _____. *BONUS: This insect specifically has what are called *mandibles* that help them cut off pieces of food and crush them before they are swallowed. They especially like to eat yummy food you may have left uncovered in your house for too long! Name the insect: _____.
7. Insects have an outer-covered layering that helps protect them which is called an _____. They have this in absence of a backbone.





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Part II. Match the metamorphosis.

1. Gradual

A

imago: legs,
wings,
tracheae,
reproduction
live: above water
eat: nectar



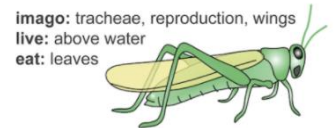
caterpillar: tracheae,
no legs
live: above water
eat: leaves



2. Incomplete

B

nymphs: tracheae
live: above water
eat: leaves



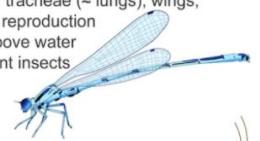
3. Complete

C

nymphs: gills
eat/live: hunt under water



imago: tracheae (≈ lungs), wings,
reproduction
live: above water
eat: hunt insects





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Part III. Create your own insect!

Use this free space to come up with your very own insect, but remember it must have all of its defining characteristics. Give your insect a name and describe what your insect does: Is it a pollinator? Is it a decomposer? Does it make useful products for people? What kind of mouth does it have and what does it like to eat? Where does it like to live? What is your insect's mission in life? Share with us the insects you created and send your pictures of drawings to wahsega@uga.edu so that we can show them off on our Facebook page!

Checkoff List for your insect:

- Three body segments: head, thorax, abdomen
- Compound eyes
- Antennae
- Mouth
- 6 jointed legs
- Exoskeleton
- Wings



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Answer Key

Part I. Defining Insects

1. Jointed foot / six feet
2. In this order: head / thorax / abdomen
3. Compound eyes
4. Antennae
5. Wings
6. Mouth / BONUS: Cockroach
7. Exoskeleton

Part II. Match the Metamorphosis

1. B
2. C
3. A

Part III. Create your own insect!

Have fun!!!

Resources:

<https://droso4schools.wordpress.com/16-lifecycle/>

<https://www.vectorstock.com/royalty-free-vector/cockroach-bug-sketch-engraving-vector-24639588>

<http://www.biology-resources.com/drawing-cockroach-mandibles.html>