

Dissection 101: Crayfish

PowerPoint Quiz (Teacher)

**Crayfish Dissection Quiz:** Complete the following questions.

1. Name the structure indicated. Mandibles
2. What is a function of this structure? Break food apart
3. Name the structure indicated. Gills

1. Name the structure indicated. Chelipeds

1. What is a function of this structure? – Defense, fighting and capturing prey
2. Male, female or both?

A. Male B. Female C. Both

1. Name the structure indicated. Stomach (cardiac and pyloric)
2. What is a function of this structure? Storage and digestion
3. Name the structure indicated. Antennal glands (green glands)



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1. What is a function of this structure? Excretion of body wastes (equivalent to urine)
2. What is one characteristic of arthropods (describe)?

* Jointed appendages – bend to move in specific directions and

specialized for specific jobs

* Exoskeleton – hardened cuticle, which is an outside layer of skin; it is nonliving tissue called chitin that does not grow with the body and must be removed for growth in a process called molting (shedding)
* Body segmentation – specific regions

1. What is the structure indicated? Swimmerets
2. Describe how the abdomen (tail) moves the crayfish through the water.

Propels the crayfish in a backward direction by whipping the tail forward (third law of motion)



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