

Crayfish Lab Questions

Names: _____

1. What structures are used for capturing prey and securing and eating food?

Chelipeds 2nd maxillae
3rd maxilliped 1st maxilla
2nd maxilliped mandible
1st maxilliped

2. How are the antennae, chelipeds, other walking legs, and swimmerets related? They are used in movement

3. What type of skeletal system do crayfish have?

Exoskeleton

4. Is the crayfish most vulnerable to its enemies from the dorsal or ventral side? Why?

Ventral - Dorsal is protected by exoskeleton

5. The crayfish usually molts, or sheds its exoskeleton, twice a year. Why does the crayfish "hide" after it molts?

B/c it's vulnerable to predators

6. What type of circulatory system do crayfish have?

open

7. Of the systems studied, which two are most unlike the related human system? Why?

Respiratory - gills vs lungs

Circulatory - open vs closed

skeletal - Exoskeleton vs Endoskeletal

8. How do crayfish swim?

Backwards

9. Label the drawing of the crayfish. Use the lab manual from day 1.

