

## WHAT I SHOULD KNOW ABOUT ARTHROPODS

### REVIEW:

#### **VOCAB WORDS**

#### **CRAYFISH BODY SYSTEM SHEET**

**Other kinds of Arthropods slide show packet**

#### **WORM/CLAM/STARFISH/CRAYFISH COMPARISON CHART**

**Chapter ??s/ Crayfish Lab ?**

**Kinds of Arthropods diagram/characteristics**

**Drawings**

### ARTHROPODS

**\*What characteristics are shared by ALL ARTHROPODS?**

**Be able to give examples of Crustaceans, Arachnids, and Insects**

**What are the 3 main groups of living arthropods?**

**(Crustaceans, Arachnids, Uniramians)**

### CRAYFISH

**\* Be able to list Kingdom, Phylum, & Class for CRAYFISH.**

**What do the Latin names mean?**

**Be able to give a function/body system for all parts on Body Systems sheet**

**\* Be able to ID parts in a diagram.**

**What is cephalization? Do Arthropods have it?**

**What is bile? How are nutrients absorbed in a crayfish?**

**What is a nauplius? How do crayfish reproduce? What does “in berry” mean?**

**How do crayfish get rid of their nitrogen waste?**

**In what form is their nitrogen waste? What is osmoregulation?**

**What kind of coelom do crayfish have?**

**Sexual/Asexual reproduction? Hermaphrodites/separate sexes?**

**Vertebrates/invertebrates? Protostomes/Deuterostomes?**

**Open/closed circulation? Internal/external fertilization?**

**Direct/Indirect development? What kind of symmetry do arthropods have?**

**What kind of skeleton do crayfish have? What is molting? How is it controlled?**

**What is AUTOTOMY? REGENERATION? How do crayfish use these?**

**What is the endocrine system? How does it work? What is its function in crayfish?**

**What are Malpighian tubules ? Trachea and spiracles? Chelicera? Pedipalps?**

### COMPARISONS

**Know what the different body systems do.**

**What new body system have we not seen before?**

**How is nitrogen waste different from digestive waste?**

**\* Be able to compare the body systems of CRAYFISH with CLAMS,  
EARTHWORMS, STARFISH**

**How is a nauplius different from a trochophore or bipinnaria larvae?**

**How are crustaceans different from arachnids, and insects in their bodies,  
number of legs, excretory, and respiratory systems?**

**How is the body plan of invertebrates different from vertebrates?**

**(invertebrates have a dorsal heart/ventral nerve cord; vertebrates have opposite)**