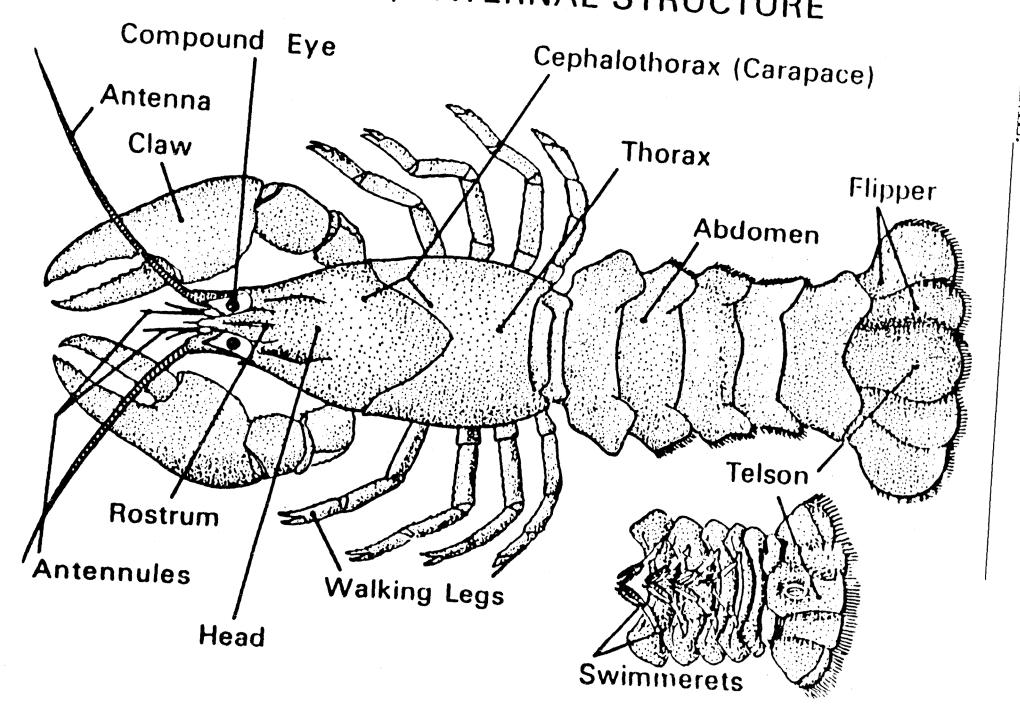
CRAYFISH, EXTERNAL STRUCTURE



CRAYFISH SAFETY RULES

We are about to begin a study of a fascinating animal – the crayfish (also known as the crawdad or crawfish). Before we actually begin to work with our specimens, we'll need to take a few moments to read and discuss some valuable information about crayfish.

- 1. Your crayfish are living organisms and because of this should be treated with care and respect.
- 2. Do not leave your crayfish unattended in the plastic bins or on desktops. A fall can be fatal to the crayfish.
- 3. Food should never be placed in the pool. In fact it is a good idea to rinse your crayfish off after a feeding session so that food particles are washed away. Food will rot, causing the water to become foul, and this can kill the crayfish.
- 4. Do not use soap to clean the pool or feeding tubs. A thorough washing with water and a clean cloth or paper towel should be sufficient.
- 5. When replacing the water in the pool or tubs, be sure that it is not too warm. Water too high in temperature is more harmful than water of a low temperature.
- 6. Do not place the crayfish in a sunny location for an extended period of time. The sun can heat water rapidly.
- 7. If you feel uncomfortable picking up a crayfish, ask a friend for help. Do not attempt it on your own until you feel confident about it. Remember a fall can be fatal to a crayfish. Watch carefully when your teacher demonstrates the proper way to pick up a crayfish. Be sure to use only this method. It is the safest for you and your crayfish.
- 8. Be a responsible and considerate scientist. This includes being diligent about making daily notations in your science journal and treating your animal with care and respect.

I am ready to treat	my crayfish	with care an	d respect
Student signature:			



١	lame	

Crayfish Study Guide (Text by P. Grimm)

pink	Chapter 1	lobsters	
2 - 3	Word Banks	gills	
hard outer shell crabs shrimp 6 - 8	green 30,000 3 water chimneys	500 white 16	black 1 world 20 crustaceans red

Choose a word from each Chapter's "Word Banks" to complete the sentences.

Chapter 1 NOT A FISH

1.	Crayfish belong to a group of animals called	
2.	All crustaceans have a	
3.	Most crustaceans live in	
4.	Three other examples of crustaceans are	and
5.	There are over species of crustaceans.	
6.	There are over species of crayfish.	
7.	Crayfish live all over the	
8.	Some crayfish dig holes with high walls to live in. These high walls are called	
9.	Crayfish breathe with	
10.	Tiny crayfish are inch long, medium crayfish are inches long. largest crayfish is inches long.	The
11.	Crayfish come in many colors such as,,,,,,	
12.	The average crayfish lives years, but some live years. Large ones l years.	ive

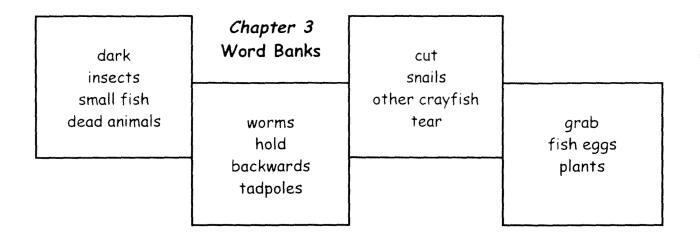
Crayfish Study Guide

cephalothorax backward	Chapter 2 Word Banks	2	
Taste 8 smell	10 backwards exoskeleton 4 stalks	12 sideways smell	feel abdomen taste forward compound

Chapter 2 LOTS OF PARTS

1.	A crayfish has 2 body parts: the, which is the head and chest, and the
2.	They have 2 eyes on short
3.	Their eyes are, which means that they are made up of many small eyes. This helps them to see moving parts.
4.	Crayfish have antennas. (Two long and two short). The crayfish uses them to, and
5.	Crayfish have tiny mouth parts that help it and smell.
6.	A crayfish has big claws to help grab and hold things as well as protect itself.
7.	is the number of walking legs that a crayfish has under its cephalothorax. A crayfish can move 3 ways:, and
8.	You will find swimmerets under the abdomen. They look like small legs, but are not used for walking.
9.	When a crayfish curls its fan-like tail under itself, it shoots and makes it hard to catch.

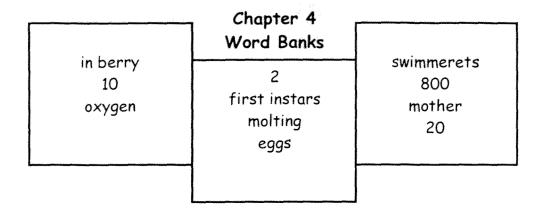
10. The crayfish's body is covered by a shell called an _____



Chapter 3 DINNER TIME

1.	Crayfish hunt at night because it is	They like to hide.	
2.	Crayfish always goand claws pointing outward.	into their hiding places with their antennas	
3.		food, and toit up.	
4.	. Crayfish have a healthy appetite. They ea	at,	

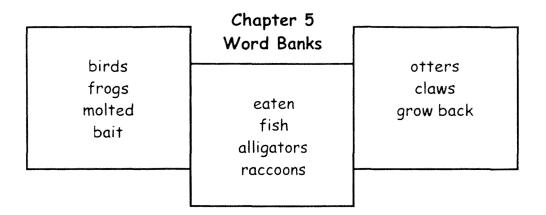
Crayfish Study Guide



Chapter 4 GROWING UP

1.	Α	crayfish	with	eggs o	on her	abdomen	is	said	to	be	***************************************
----	---	----------	------	--------	--------	---------	----	------	----	----	---

- 2. Crayfish lay ______.
- 3. With a glue-like substance, the eggs grow stalks and attach to ______.
- 4. Swimmerets move over the eggs to bring _____ to the eggs.
- 5. Depending on the species, a crayfish can lay anywhere from _____ to ____ at a time.
- 6. It may take _____ to ____ weeks for the eggs to hatch.
- 7. Newly-hatched baby crayfish are called ______.
- 8. The shedding of the exoskeleton is called ______.
- 9. This shedding of the exoskeleton is repeated a number of times until the babies are ready to leave their ______.



Chapter 5 ENEMIES

1.	The following animals like to nibble on crayfish:,
2.	The easiest time to eat a crayfish is after they have
3.	Humans use crayfish as for fishing, and in some parts of the world the are simply
4.	A crayfish's biggest defense against its enemies is its
5.	A crayfish is not afraid to let a body part fall off if it is in a fight because it will (This is called regeneration.)
ВС	PNUS: Some place in the book they give two other names for crayfish.
Th	ey are: and

Crayfish Study Guide

POOL OBSERVATION NOTES

	Today you have the opportunity to observe the crayfish in the pool. Record notes about what you observe. You might want to think about the color, size, shape, body parts, movement, sound, or even the position the crayfish is in. Be a great observer!
	00
نده د اد ا	

POOL OBSERVATION DAY

paragraph (topic sentence, details and conclusion) share	
What you observed about how they behaved	
	Annual Management and

•	

	THE RESERVE OF THE PARTY OF THE
* ** *** *** **** **** **** **** **** ****	

	POOL OBSERVATION WRITING PIECE p. 2

DRAW AND LABEL ME DAY

Today you will have the opportunity to get to know your crayfish "up close and personal" In the space below please make a good sized drawing of your crayfish and label the various body parts. The cover may be very helpful to you in labeling. You may do the back or the back and front if you have the time.



MEASURE ME DAY



Today you will need a centimeter ruler. First you are going to predict the length of the various body parts listed below. Then you will actually measure and record them using mm and cm. Have fun.

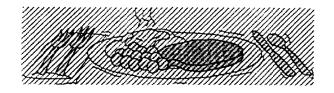
Body part	Prediction	Actual Actual	
cephalothorax			
abdomen			
right antenna			
left antenna			
flipper			
right claw			
left claw			
walking leg			
swimmeret			

FEEDME DAY

Today you will have the opportunity to try and feed your crayfish. You have been given a crayfish buffet and a pair of tweezers in which to try this. Choose at least 4 foods and see if your crayfish eats any of them. Be sure that the piece is tiny (just a tidbid), Try only one food at a time. Be patient. Remember just because your crayfish doesn't eat that food, it doesn't mean that it doesn't like it, it may just not be hungry.

You may try more than 4 foods Just record what you tried and if it ate it.

$F\infty d$	Ate (X)	Didn't Eat (X)
	,	
		where the state of
·	William Willia	
		ettaalika deleveja teoritaanin, militarin etanian
The second secon	The second secon	Annual representation and the second
	and the angular visitable and the state of t	



FEED ME DAY

	Write a paragraph explaining what happened when you fed the crayfish. Tell about what the crayfish ate (or didn't eat) and give some reasons as to why this happened. Be sure to have a beginning, middle, and end to your paragraph!

-	

	-

CATCH UP DAY

Perhaps you missed a day due to illness or a lesson. Perhaps you didn't finish an activity or would just like to repeat it. Perhaps you would just like to try something SAFE that you've been thinking about during the week. Today is the day that you can do it. In the space below, draw or record what you did. in class today with your crayfish.







