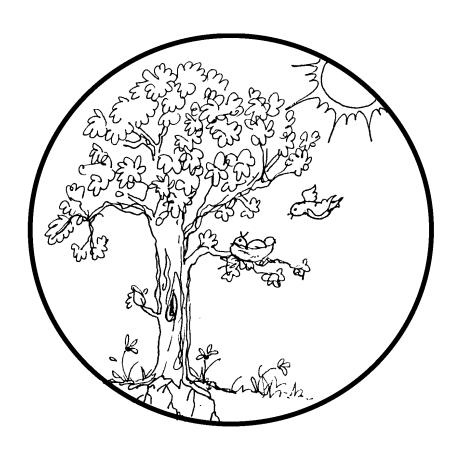






# THIRD GRADE WORKBOOK



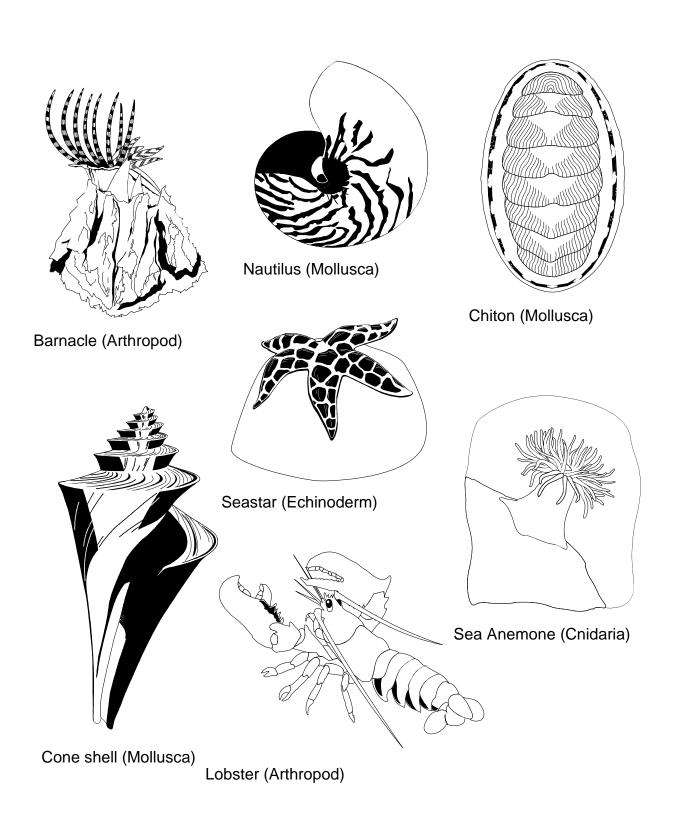
student \_\_\_\_\_

### LIFE CYCLE - ORGANISMS (3A) LAB

NVERTEBRATE	DESCRIBE	DRAW
SPONGE		
SNAIL		
CLAM		
SEA COOKIE		
CORAL		
BARNACLE		

#### MARINE INVERTEBRATES

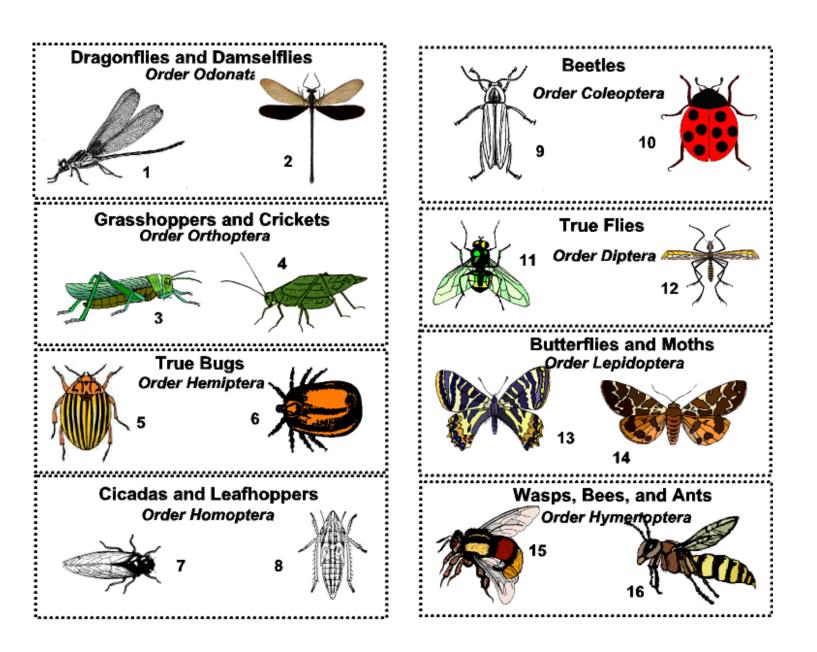
Use the Internet or books to find the real colors of these organisms that live in the sea.



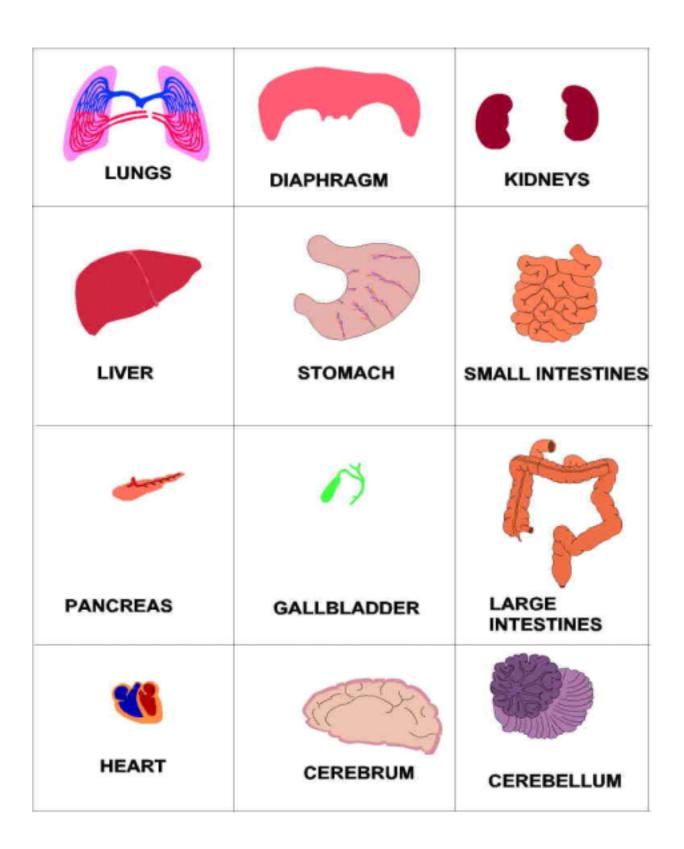
## LIFE CYCLE - ORGANISMS (3B) **PROBLEM:** How can you tell one arthropod from another? PREDICTION: PROCEDURE: Sort the insects using and try to identify them using the worksheet. Describe the head, body and appendages. Fill in the information below. head insect name body appendages Look at the horseshoe crab and crab. Describe them. Horseshoe crab \_\_\_\_\_ Look at the brine shrimp under the microscope. Draw what you see on the back of the lab sheet. Describe what you see. Can you tell the difference between a female and malebrine shrimp? How?

Describe how the arthropods are different from each other.

**CONCLUSIONS:** What characteristics do all arthropods share?



### **LIFE CYCLE - HUMAN BIOLOGY (3A)**



### LIFE CYCLE - HUMAN BIOLOGY (3A)

PR	OBLEM: How can you	determine what is going on inside	your body?
PR	EDICTION:		
Loc you	k at the following parts of	ethoscope, bag of bones of your body and see if you can do libe what you see and try and dete nce material.	•
	PART OF BODY	DESCRIBE WHAT HAPPENS	PART OF WHAT SYSTEM
	Movement of chest		
	2. Nails		

3. Pulse		
4. Fold under eye		
5. Underside of tongue		
6. Mid back		
7. Skin		
8. Arm, flex		
9. arm, bend with no force		
10. hair		
	relationship between the externa ch systems does our body reflect	•

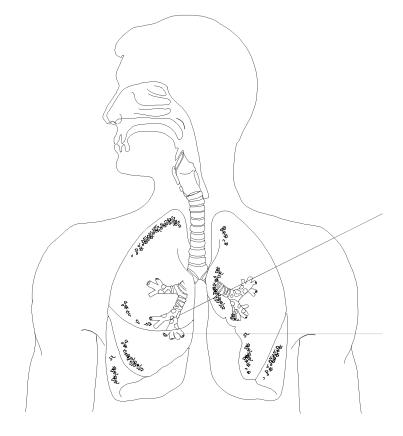
### LIFE CYCLE - HUMAN BIOLOGY (3A) POST

### **RESPIRATORY SYSTEM**

USING THE WORDS IN THE DIAGRAM, EXPLAIN HOW THE RESPIRATORY SYSTEM FUNCTIONS OR WORKS.	

### **VOCABULARY**

OXYGEN
CARBON DIOXIDE
PHARYNX
LARYNX
TRACHEA
BRONCHI
LUNG
AIR SACS
CAPILLARIES



### LIFE CYCLE - HUMAN BIOLOGY (3B)

### **RESEARCH TOPIC:** How do the senses work?

#### **LIFE CYCLE - HUMAN BIOLOGY (3B)**

**PROBLEM:** How do we taste?

PREDICTION:

\_\_\_\_\_

**PROCEDURE:** There are two experiments in this lab. Follow directions for each.

Experiment 1. **MATERIALS:** sugar cubes, towels

Dry your tongue with a towel. Put a sugar cube on your tongue. Can you taste it? Explain.

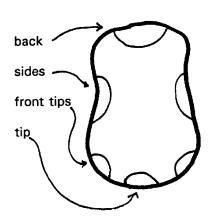
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Experiment 2. **MATERIALS**: sugar + water (sweet), vinegar (sour), salt + water (salty), baking soda + water (bitter), cotton swabs, small containers, paper cups

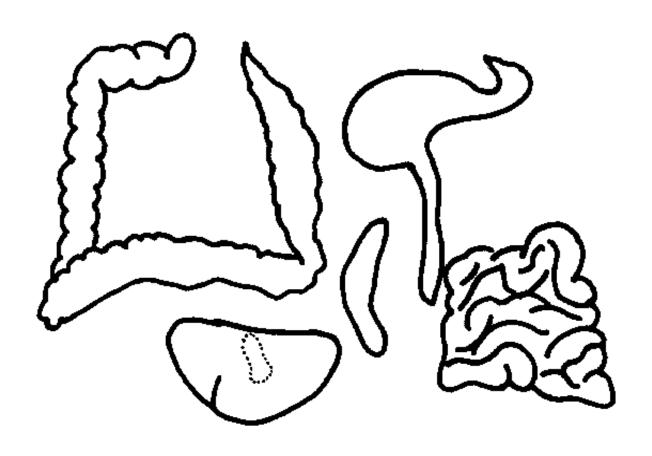
Dip a cotton swab into a solution of each item and find out which area of your tongue has the sweetest, sourest, and saltiest sensation. Sip water after each item. Do this experiment carefully.

	salt (salt)	sour (vinegar)	sweet (sugar)	bitter (baking) (soda)
area of my tongue where I sensed the taste				
area of my partner's tongue				

**CONCLUSION:** In the diagram below, fill in the type of tastes your tongue sensed next to the four areas marked.

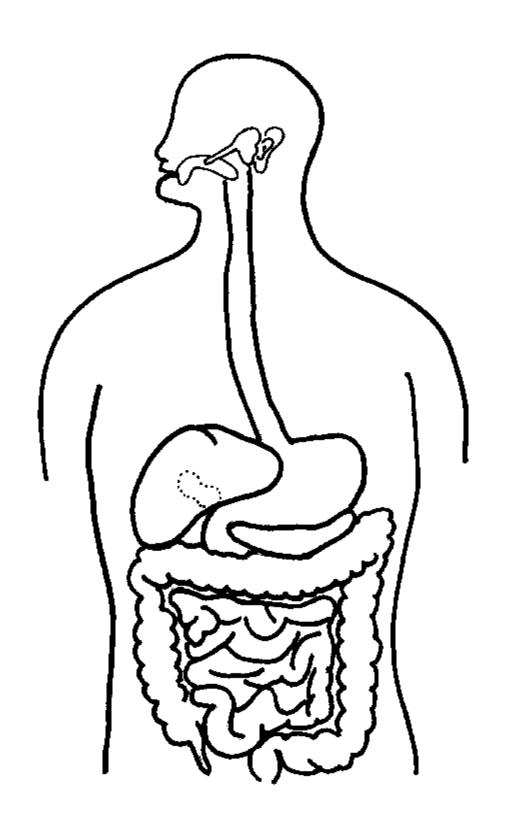


BACK	
SIDES	
FRONT TIPS	
TIP	

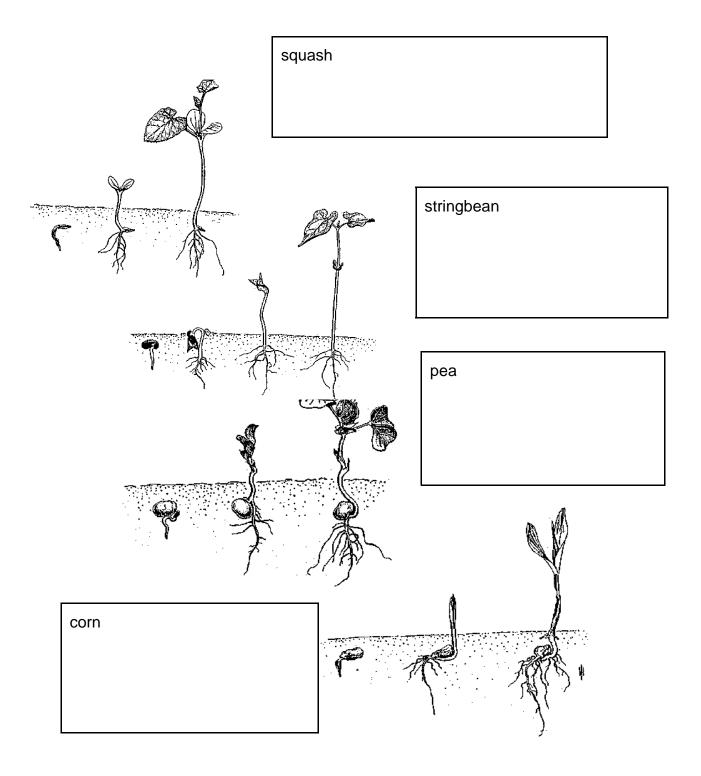


THE ORGANS OF THE DIGESTIVE SYSTEM ARE:

NUMBER	ORGAN NAME
1.	
2.	
3.	
4.	
5.	



### DESCRIBE THE DIFFERENCES IN GERMINATION OF THE 4 SEEDS



### LIFE CYCLE - PLANTS (3A)

PROBLEM:	Do plants	need sun	and water	to live?
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PREDICTION:

MATERIALS: 4 plants, 2 cans

PROCEDURE: Record a description of your 4 plants before you start the experiment,

then place the plants where they belong.

Р	LΑ	N	Т	A:
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PLANT B.

PLANT C.

PLANT D.

		RECORD OF E	XPERIMENT	
	А	В	С	D
1st Day				
2nd Day				
5th Day				
8th Day				
14th Day				

**CONCLUSION:** Summarize your results.

### LIFE CYCLE - PLANTS (3B)

	Look at the samples at your table ect the sample with plants. Draw y	e. Describe the characteristics that your specimen.
SAMPLE	DRAWING	CHARACTERISTICS

### LIFE CYCLE - PLANTS (3B) POST LAB

Using at least six of the key words listed below write a paragraph about why plants are important. Use reference material or the Internet to find information.

cash crops soil conservation photosynthesis food water run off	shelter reduce wind reduce noise beautiful raw materials

### WHAT IS MY BIOME?



### LIFE CYCLE - NATURAL ENVIRONMENT (3A)

PROBLEM:	Do geographic biom	es have certain	ı organisms tl	hat live in that	specific
area (endem	ic population)?				

area (endemic population)?	
PREDICTION:	
MATERIALS: Animal Inflatat	ole Globes
	and locate the different biomes listed on the lab sheet. our teacher may have and determine which animals or me. List them below.
BIOME	ORGANISMS FOUND
TUNDRA	
DESERT	
TROPICAL FOREST, JUNGLE	
FOREST	
PRAIRIE	
MEDITERRANEAN	
MOUNTAIN FLORA AND MOORLAND	
ICE/SNOW	
CONCLUSION: Do specific	organisms live in specific areas? Give two examples.

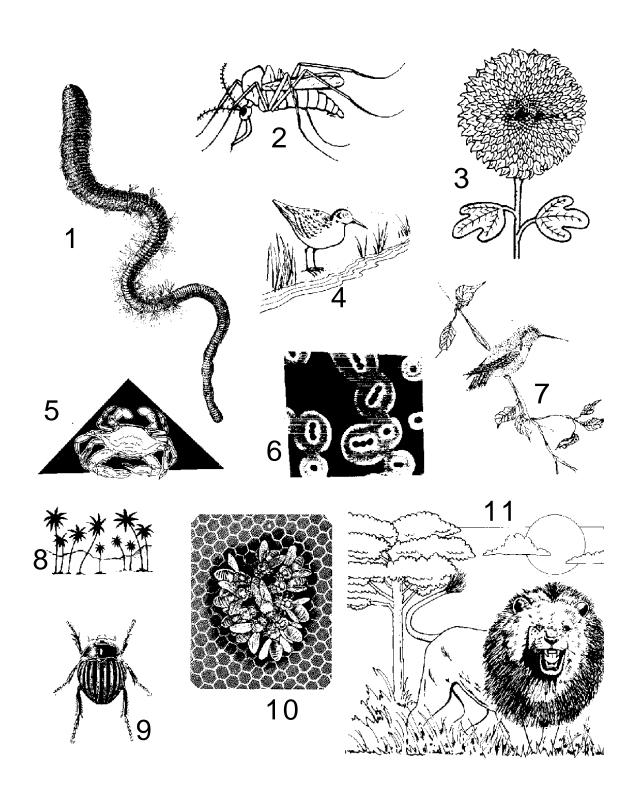
### LIFE CYCLE - NATURAL ENVIRONMENT (3A) POST

1. Locate where you live. State what type of vegetation you live in.
Does the map correctly reflect the vegetation type? Explain.
2. What is the vegetation in the capitol of our country. Name the capital and then write down the vegetation?
3. The cornbelt is in the midwest of the United States. What type of vegetation does the map refer this to?
4. What is the difference between a warm and cold desert?
5. Canada is mainly what vegetation type?
6. Where is there little or not vegetation according to this map.
7. Name all the forests.
8. New York State is in what type of vegetation?
9. Nevada is in what type of vegetation?
10. Where are the Redwood Forests located (in what vegetational biome)?



### LIFE CYCLE - NATURAL ENVIRONMENT (3B)

### PRE



### LIFE CYCLE - NATURAL ENVIRONMENT (3B)

PROBLEM:	Can you determine how a gastropod eats?
PREDICTION	N:

**MATERIALS:** package of shells

Determine how the specimens differ by comparing them with the pictures below. State whether you think the shell came from a carnivore or herbivore.





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•	

### WAS THE ONCE-LER GREEDY? EXPLAIN.

