



SCIENTIST IN RESIDENCE PROGRAM

*Organism Research Book*

**GRADE 5**

**Name:** \_\_\_\_\_

**Division:** \_\_\_\_\_

----- **Due Dates** -----

**Vocabulary and Crossword Puzzle:** \_\_\_\_\_

**Research Notes:** \_\_\_\_\_

**Final Due Date:** \_\_\_\_\_

# Table of Contents

Title

Page


# Assessment

## How will I be marked?



### Workbook Sections:

Section	Possible Mark	My Mark
Observation Worksheet		
Vocabulary Worksheet		
Crossword Puzzle		
Scavenger Hunt		
Drawing		
Research Notes		
Connections		
<b>TOTAL MARK</b>	<b>80</b>	

### Student Self-Assessment:

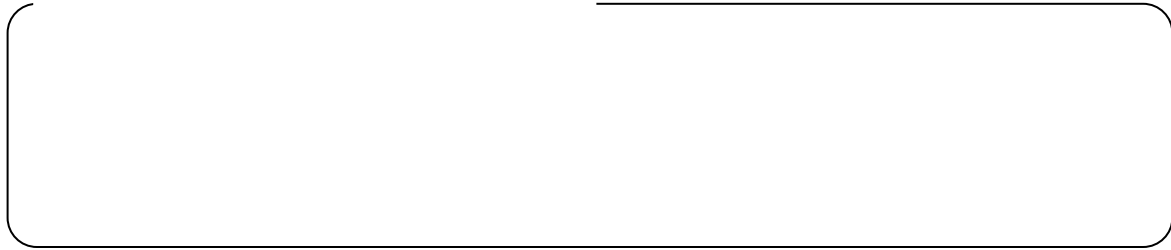
Read the following sentences and place a check mark under the choice that you agree with.

	Never (1)	Sometimes (2)	Often (3)	All the time (4)
I participated with enthusiasm in the scavenger hunt.				
I asked questions and contributed to class discussions.				
I participated with enthusiasm in planting the garden and caring for the animal habitats.				
I worked well and shared resources with my partner.				
I made sure that all my research facts are reliable and correct.				
<b>TOTAL MARK:</b>	<b>/20</b>			

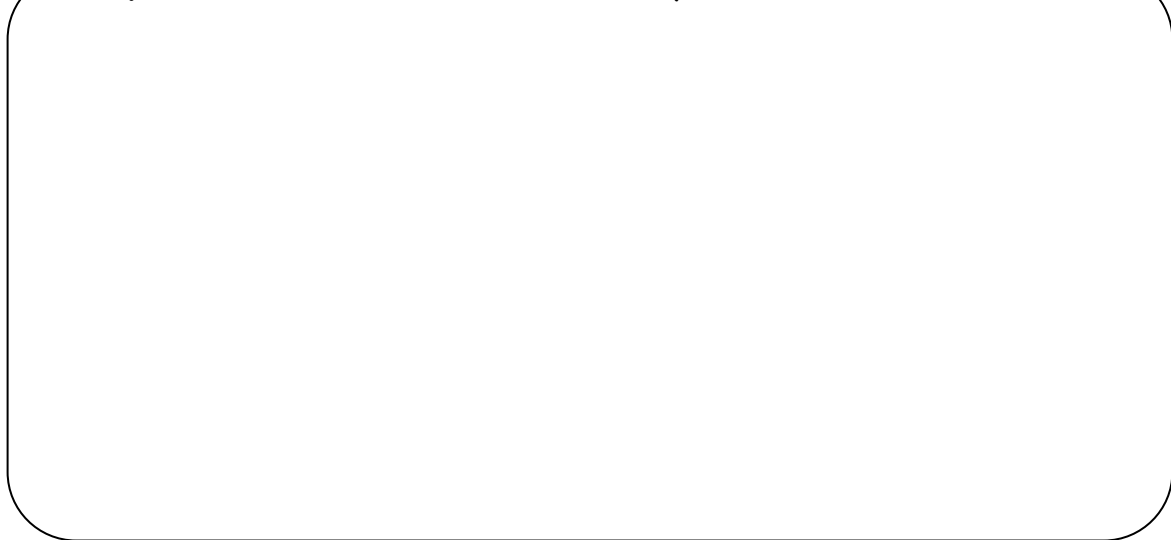
### Teacher Comments:

# Me as an Organism

**Habitat:** Where do I live?



**Adaptations:** How am I suited to my habitat?



**Resources:** What do I need to survive?



# Observation Worksheet

**Instructions:** Complete the following sentences with the correct term from the word bank.

What is a scientist?  
How do scientists make

1. A \_\_\_\_\_ is a prediction about the result of an experiment.
2. Scientific \_\_\_\_\_ is a process where we first observe and wonder by asking questions, then test our questions.
3. \_\_\_\_\_ is a collection of facts scientists use to draw conclusions (what they think happened).
4. An \_\_\_\_\_ is a test, an operation or a procedure scientists perform under controlled conditions in order to discover an unknown effect or law.
5. To \_\_\_\_\_ is to study or determine the nature and relationship of the parts.
6. \_\_\_\_\_ is the act of carefully looking, noting, and recording something.
7. A \_\_\_\_\_ is a diary where you keep all the information you gather in the field.



## Word Bank

analyze  
data  
experiment

field journal  
hypothesis

inquiry  
observation

# Vocabulary Worksheet

**Instructions:** Fill in the blanks with the correct term to complete each sentence. You may use the word bank on the following page. You may also use your textbook\* (Chapter 8).

1. \_\_\_\_\_ are any living or non-living things that humans use to meet their needs and wants.
2. A \_\_\_\_\_ resource consists of all the living and non-living resources in nature.
3. A \_\_\_\_\_ resource can replace itself through reproduction, be re-grown, or replace itself naturally; it can be living or non-living.
4. A \_\_\_\_\_ resource cannot reproduce or renew itself; once it is used it is gone forever.
5. A \_\_\_\_\_ is a group of organisms or populations living and interacting with one another in a particular environment.
6. An \_\_\_\_\_ is a system formed by the interactions of all the living and non-living things in an environment.
7. A \_\_\_\_\_ is a network of food chains or feeding relationships by which energy and nutrients are passed on from one species of living organisms to another.
8. An \_\_\_\_\_ is a living thing that has the ability to function independently.
9. A \_\_\_\_\_ is an area or environment where an organism or ecological community normally lives or occurs.
10. \_\_\_\_\_ is where a population becomes suited to a habitat.

11. A \_\_\_\_\_ is any organism that exists by preying upon other organisms.
12. A \_\_\_\_\_ is an organism that is hunted or seized for food.
13. \_\_\_\_\_ are products that were once living and can be broken down by organisms.
14. A \_\_\_\_\_ is an organism, often a bacterium or fungus, that feeds on and breaks down dead plant or animal matter.
15. \_\_\_\_\_ is a mixture of decaying matter, as from leaves and manure, used to improve soil structure and provide nutrients.
16. \_\_\_\_\_ is saving or reusing resources so they will be available for future use.
17. \_\_\_\_\_ is the result of an action or event that damages or changes an environment.
18. To avoid waste of resources, we can \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_.

### Word Bank

adaptation

biodegradable

community

compost

conservation

decomposer

ecosystem

environmental impact

food web

habitat

natural resources

non-renewable resource

organism

predator

prey

recycle

reduce

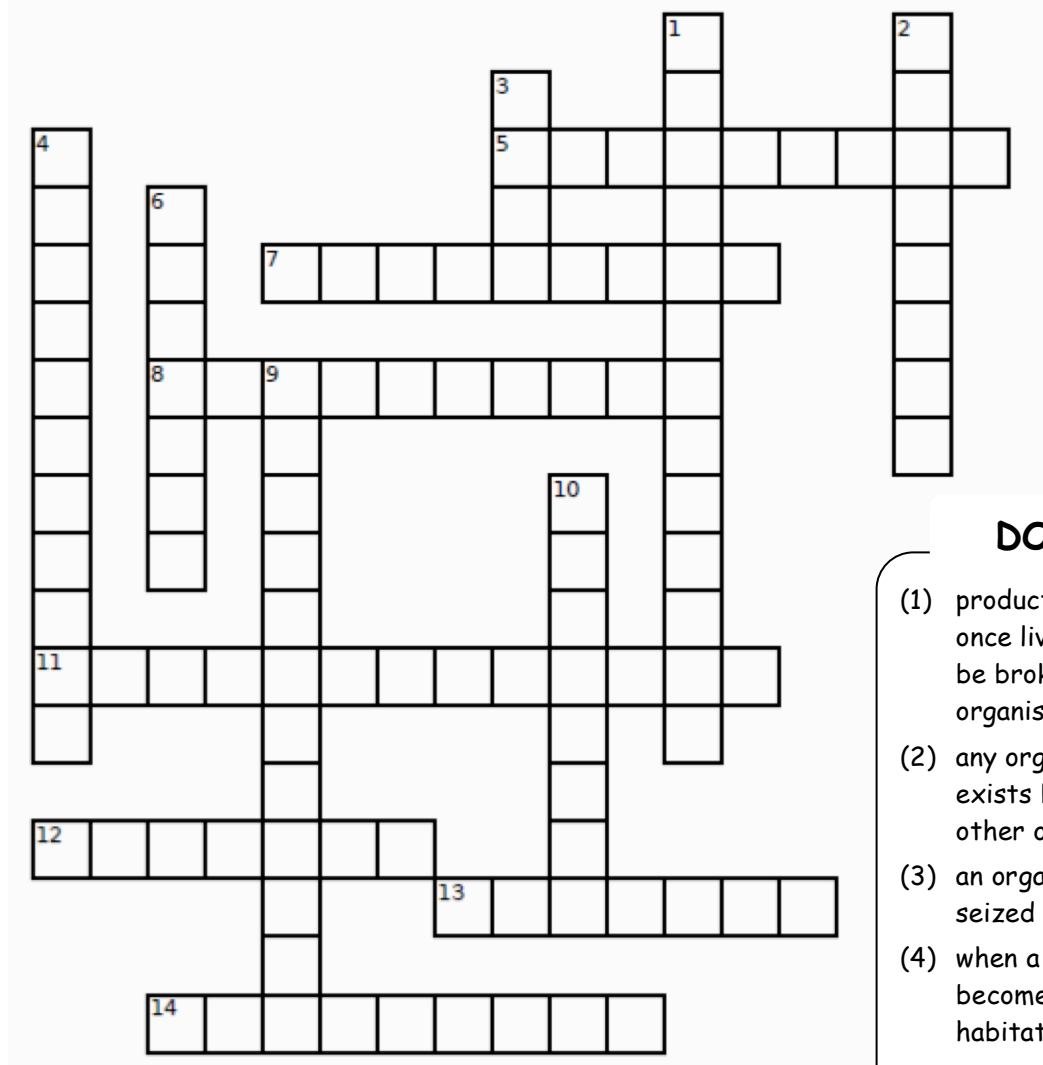
renewable resource

resources

reuse

# Vocabulary Crossword Puzzle

Instructions: You may use your textbook\* (CH. 8) to complete the following crossword puzzle.



## ACROSS

- (5) any living or non-living things that humans use
- (7) a system formed by the interactions of living and non-living things in an environment
- (8) an organism that feeds on dead plant or animal matter
- (11) a resource that cannot be replaced
- (12) an environment where an organism normally lives
- (13) a mixture of decaying matter often used to fertilize soil
- (14) a resource that can be replaced, regrown, or renewed

## DOWN

- (1) products that were once living and can be broken down by organisms
- (2) any organism that exists by preying on other organisms
- (3) an organism that is seized for food
- (4) when a population becomes suited to a habitat
- (6) a network of feeding relationships (2 Words)
- (9) saving or reusing resources for future use
- (10) a living thing that has the ability to function independently

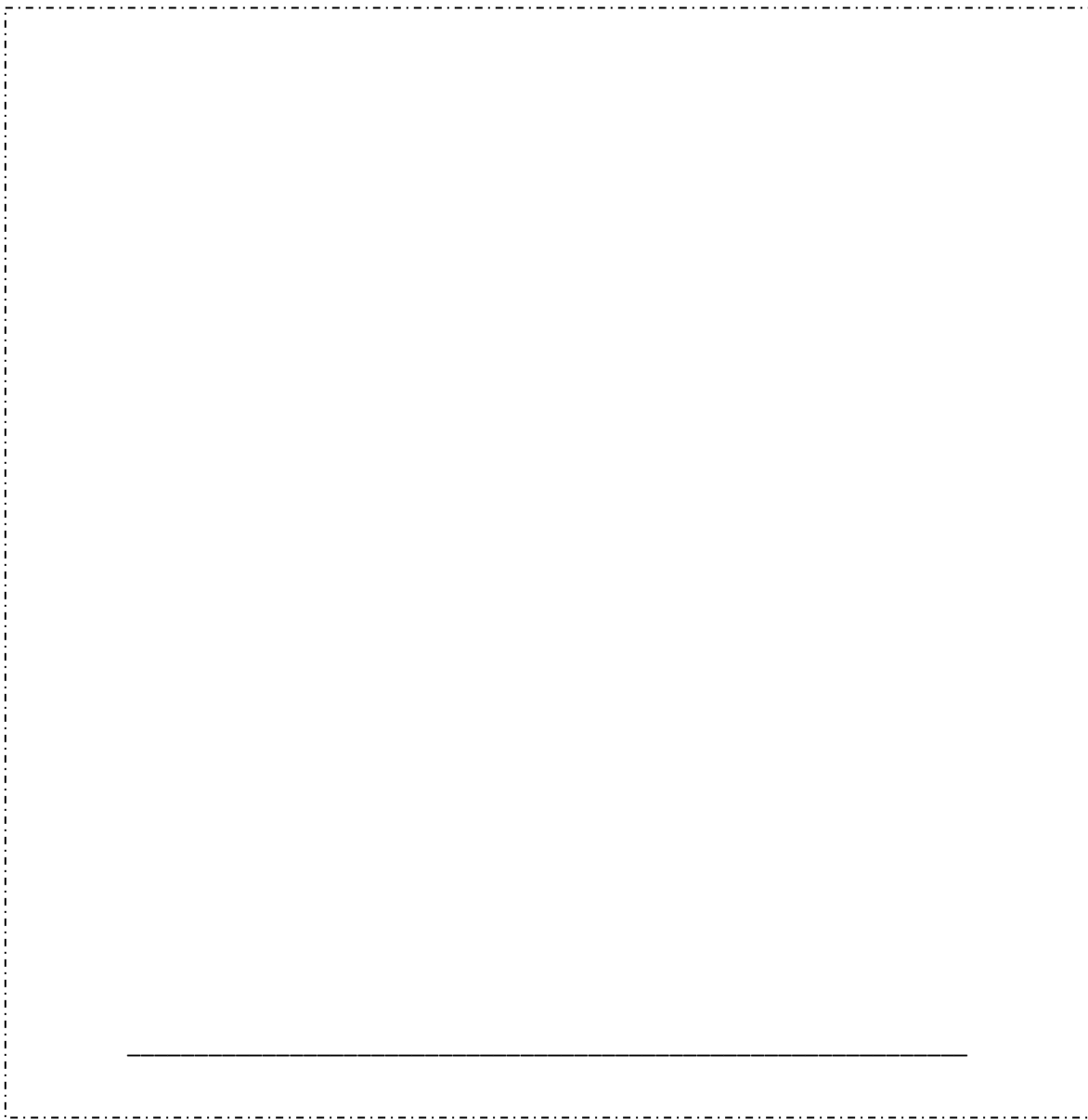


# Scavenger Hunt

Instructions: When you see the species below, write the date in its box.

Black-capped Chickadee	Northern Flicker	Northwestern Crow	American Robin
Aphid	Ladybug	Parasitic Wasp	Mason Bee
Hover Fly	Earthworm	Dill	Annual Alyssum
Sunflower	Strawberries	Crimson Clover	Cilantro





*Be  
sure  
to...*

- ❖ Observe carefully. Draw only what you see.
- ❖ Sketch details.
- ❖ Pay attention to proportion.
- ❖ Label interesting parts.
- ❖ Print the organism's name on the line.



# My Wondering Questions

**Subheadings**

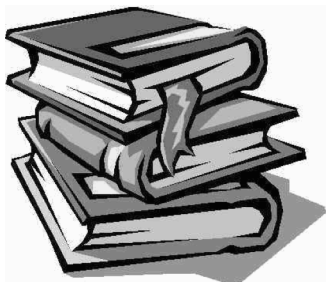
Appearance  
Resources  
Adaptation



Life Cycle  
Fun Facts

**Header**

## Research Notes



In the next three pages, you will be conducting your own research for your organism. For each subheading, write at least three notes in point form. Write key words and ideas. You do not need to write your notes in full sentences.

Research Notes (My organism: \_\_\_\_\_)

**Appearance**  
What does it look like?

[Empty rounded rectangular box for appearance notes]

[Empty rounded rectangular box for appearance notes]

[Empty rounded rectangular box for appearance notes]

[Empty rounded rectangular box for habitat notes]

[Empty rounded rectangular box for habitat notes]

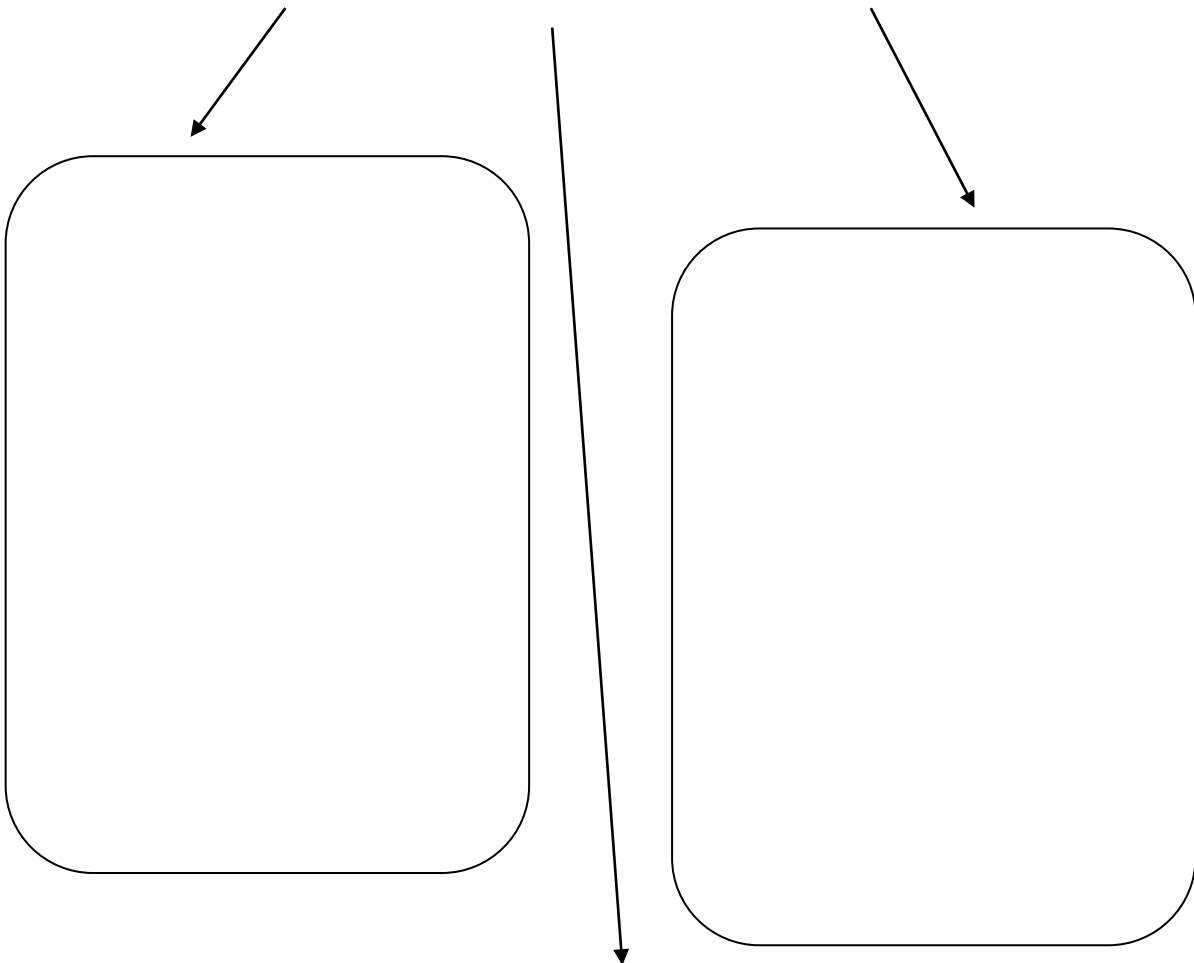
[Empty rounded rectangular box for habitat notes]

**Habitat**  
Where does it live?

# Research Notes (My organism: \_\_\_\_\_)

## Adaptation

How is your organism suited to its habitat? What features (structural adaptations) does your animal or plant have to suit its habitat? How does your animal act to suit its habitat (behavioural adaptations)? How does your plant respond to its habitat?



A large, empty rounded rectangular box at the bottom of the page, intended for additional research notes.

Research Notes (My organism: \_\_\_\_\_)

**Resources**  
What resources  
does it need to  
survive?

[Empty rounded rectangular box]

[Empty rounded rectangular box]

[Empty rounded rectangular box]

[Empty rounded rectangular box]

[Empty rounded rectangular box]

[Empty rounded rectangular box]

**Fun Facts**  
What other  
interesting facts  
did you find  
about your  
organism?



# Research Notes (My organism: \_\_\_\_\_)

## Life Cycle

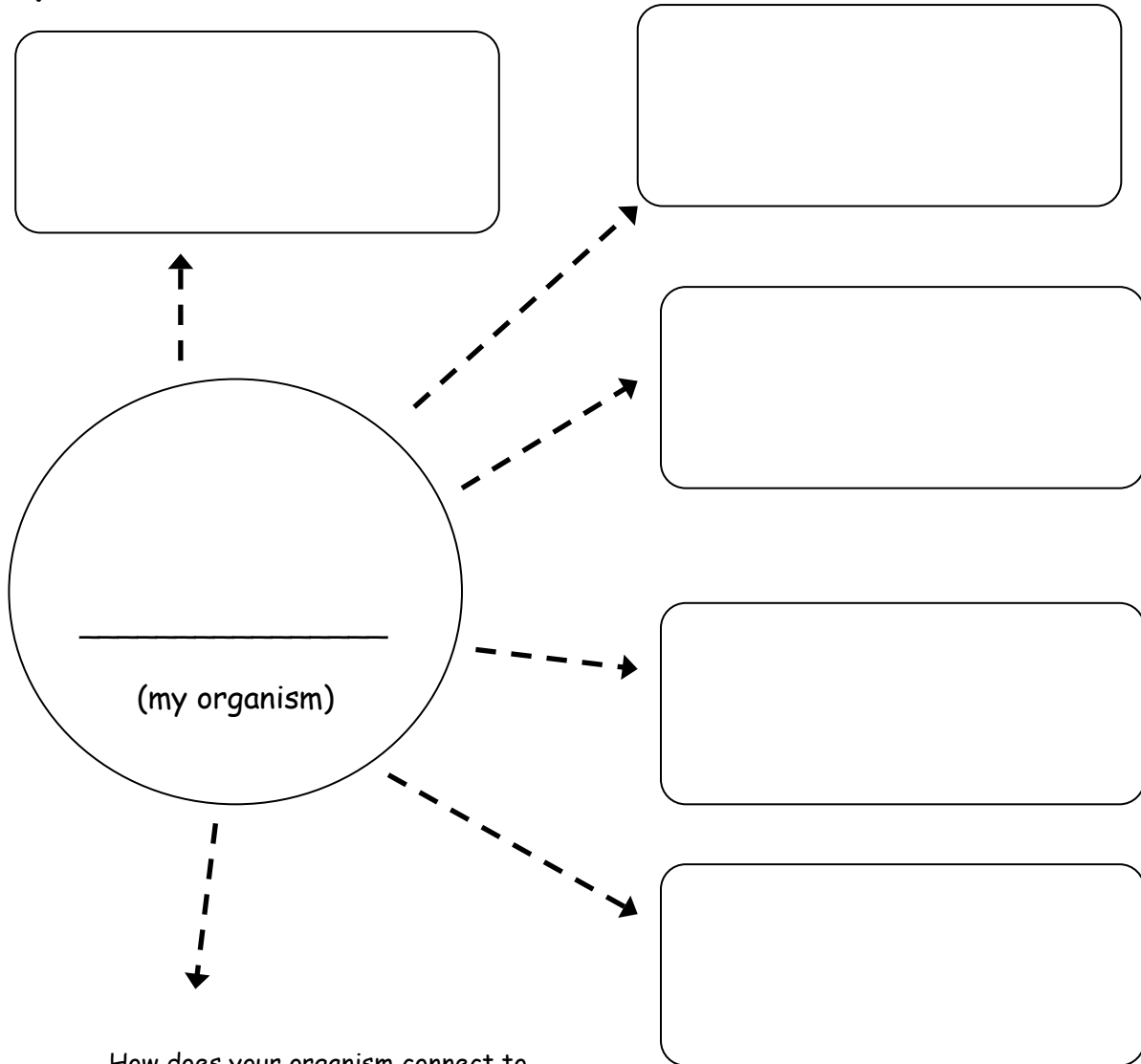
How does your organism reproduce? What is its life span? Does it go through different stages?

A large, empty rounded rectangle with a black border, intended for drawing the organism's life cycle.

Draw your organism's life cycle here

# Connections

**Instructions:** Connect your organism to five other organisms AND to people.



How does your organism connect to people? Does it eat agricultural pests?  
Is it a cultural icon? Does it have something to do with a fun activity?

## Consider the following:

- prey (What does your organism eat?)
- predator (What eats your organism?)
- competitor (What animal eats the same food as your organism?)
- habitat (What organism shares the same habitat as yours?)

