

Good Bug, Bad Bug

Name _____ Date _____

Part 1 – Engage:

IN A SMALL GROUP, DISCUSS THE FOLLOWING QUESTIONS:

- What is the first word you think of when you hear the word bug?
- Do you think bugs are mostly helpful, harmful, or both? Explain your reasoning.
- Where do you usually see bugs?
- What bugs might a farmer see in their field? Are they good or bad?
- What bugs might you find in a garden? How do they affect plants?

SUMMARIZE YOUR GROUP DISCUSSION:

HOW MIGHT REMOVING BUGS FROM AN ECOSYSTEM AFFECT PLANTS, ANIMALS, AND HUMANS?

Part 2 – Evaluate:

RECORD EXAMPLES FROM YOUR GROUP’S INSECT SORT.

Predator	Pollinator	Herbivore	Decomposer

WHICH CHARACTERISTICS HELPED YOU DECIDE WHERE TO PLACE THE INSECTS?

- What they eat
- Their body parts
- Their behavior
- Where they live
- Other: _____

NOTES FROM CLASS DISCUSSION:

Part 3– Explain:

TROPHIC ROLES: Scientists group organisms by the way they get energy.

CHOOSE ONE INSECT FROM YOUR TABLE ABOVE.

Insect: _____

HOW DOES IT GET ENERGY?

ORGANISM INTERACTIONS: Different organisms interact with each other in different ways.

THINK OF ONE EXAMPLE DISCUSSED DURING CLASS.

Organism #1	Organism #2	What happens between them?

WHICH TYPE OF INTERACTION DOES YOUR EXAMPLE REPRESENT?

- Predation / Parasitism
- Commensalism
- Mutualism
- Competition

EXPLAIN:

Part 4– Evaluate:

REVIEW WHAT YOU WROTE IN PART 1. HAS YOUR THINKING CHANGED?

- Yes
- No

AT THE BEGINNING OF CLASS, I THOUGHT...

NOW I THINK...

ONE THING I LEARNED ABOUT INSECTS AND ECOSYSTEMS IS...

CAN AN INSECT BE BOTH HELPFUL AND HARMFUL DEPENDING ON THE SITUATION? EXPLAIN YOUR ANSWER.
