



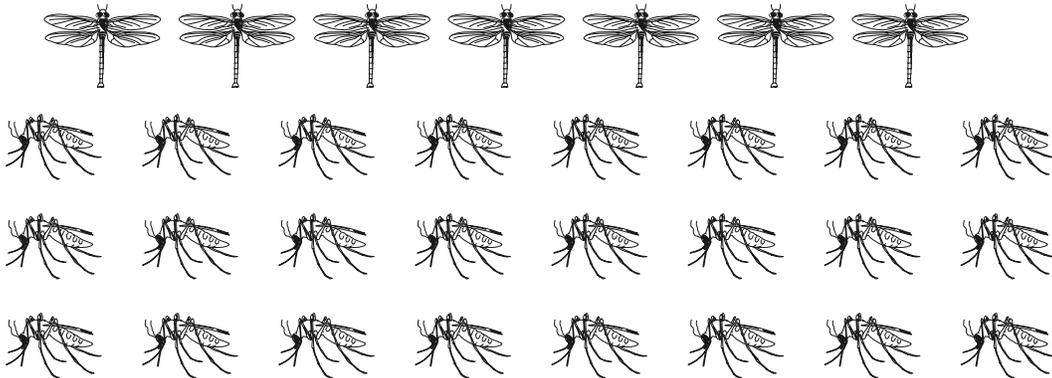
Unit 5 Section 1 Lesson 1: Nature's Bug Zappers

Handout 1

Dragonflies vs. Mosquitoes

Name _____

1. Each dragonfly can eat 3 mosquitoes. Put an X on the mosquitoes these dragonflies will eat!

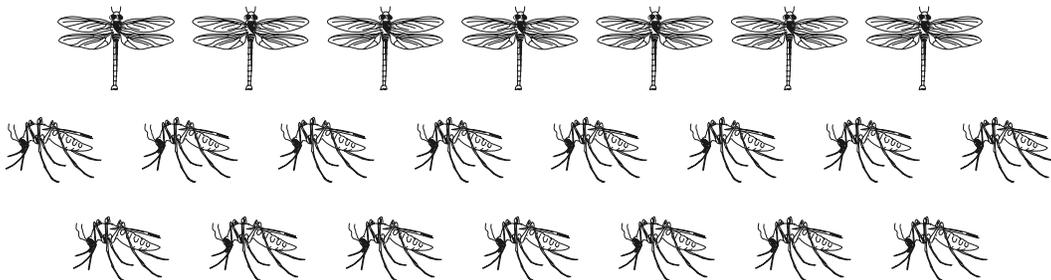


How many mosquitoes were eaten? _____ How many mosquitoes are left? _____

2. If each mosquito left produces 5 more mosquitoes, how many mosquitoes will there be?

3. Will the dragonflies be able to eat the remaining mosquitoes? _____

4. Insecticides kill 4 dragonflies! X them out! Put an X on the mosquitoes to show how many mosquitoes can be eaten by the remaining dragonflies!



5. Can the dragonflies eat all the mosquitoes? _____

6. If each mosquito left produces 5 more mosquitoes, how many mosquitoes will there be?



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Handout 1

Dragonflies vs. Mosquitoes

7. Draw the new number of mosquitoes!

8. There are 3 dragonflies left. They each have 2 babies. Draw them.

9. Show how many mosquitoes they eat. Put an X on the mosquitoes you drew in #7.

How many mosquitoes were eaten by dragonflies? _____

10. Are the dragonflies controlling the mosquitoes? _____

11. What will happen if chemicals are used to control mosquitoes but kill dragonflies as well as the targeted pest, mosquitoes?

A  eats    and has   offspring,

but a  not eaten can have      offspring.

Therefore, chemicals that kill a  upset the balance of predator and prey in favor

of the  !!

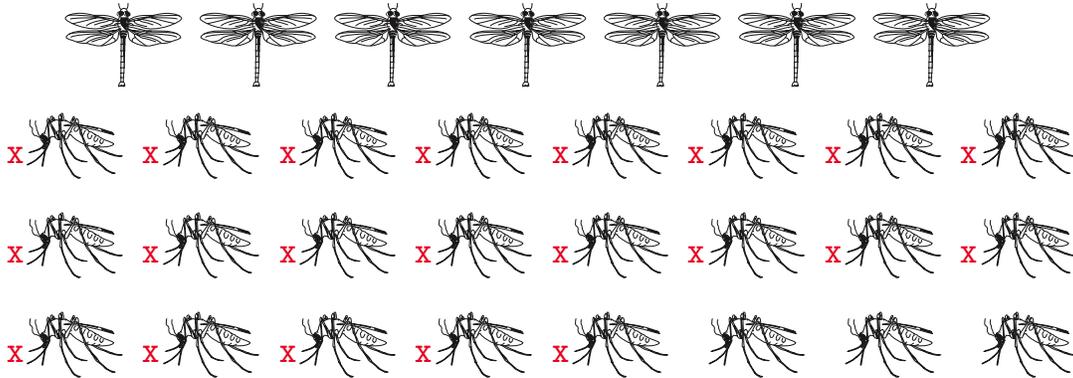


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Answer Key

Dragonflies vs. Mosquitoes

1. Each dragonfly can eat 3 mosquitoes. Put an X on the mosquitoes these dragonflies will eat!



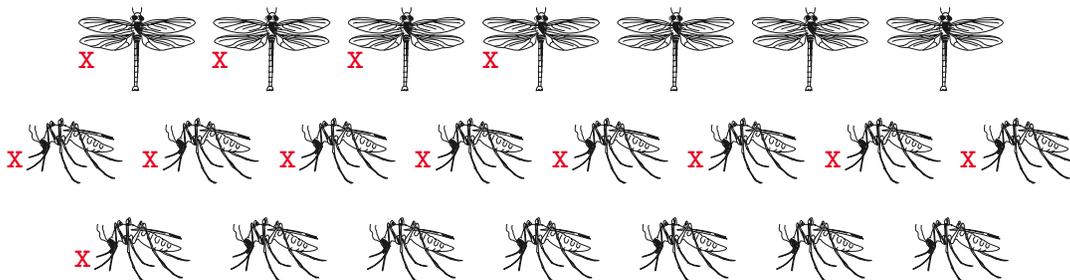
How many mosquitoes were eaten? **21** How many mosquitoes are left? **3**

2. If each mosquito left produces 5 more mosquitoes, how many mosquitoes will there be?

(3x5=15)

3. Will the dragonflies be able to eat the remaining mosquitoes? **YES**

4. Insecticides kill 4 dragonflies! X them out! Put an X on the mosquitoes to show how many mosquitoes can be eaten by the remaining dragonflies!



5. Can the dragonflies eat all the mosquitoes? **NO**

6. If each mosquito left produces 5 more mosquitoes, how many mosquitoes will there be? **30**

(6x5= 30)

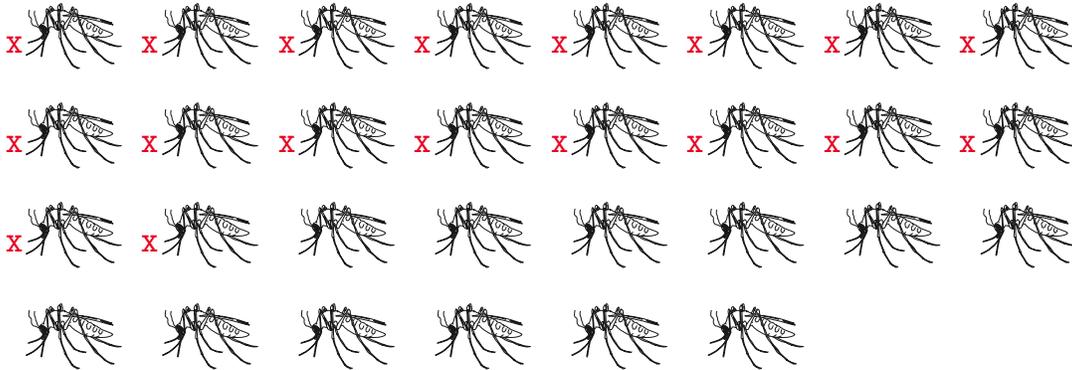


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Answer Key

Dragonflies vs. Mosquitoes

7. Draw the new number of mosquitoes! **30**



8. There are 3 dragonflies left. They each have 2 babies. Draw them. **6**



9. Show how many mosquitoes they eat. Put an X on the mosquitoes you drew in #7.
How many mosquitoes were eaten by dragonflies? **18**

10. Are the dragonflies controlling the mosquitoes? **NO (of the 30 mosquitoes, 18 were eaten, leaving 12 to produce $12 \times 5 = 60$ more mosquitoes!)**

11. What will happen if chemicals are used to control mosquitoes but kill dragonflies as well as the targeted pest, mosquitoes? **(The mosquito population will grow.)**

A  eats    and has   offspring,

but a  not eaten can have      offspring.

Therefore, chemicals that kill a  upset the balance of predator and prey in favor

of the  !!