

How Rain Gardens Help

Student worksheet

Name: _____

Date: _____

Word Bank

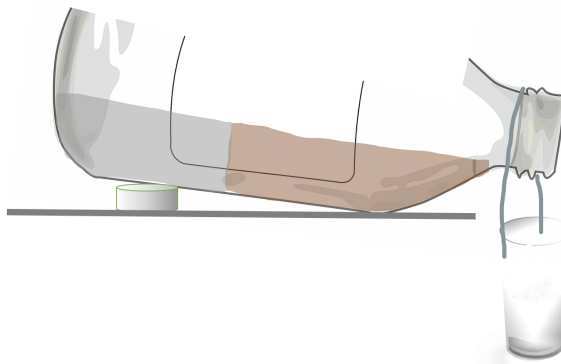
- *Pollutants*
- *Rain garden*
- *Runoff*
- *Storm drain*

Directions: Complete the tasks below in preparation for the experiment.

1. What is the purpose of a rain garden?

- _____
- _____
- _____

2. Draw how you would use the mini rain gardens to test if a rain garden can reduce runoff and filter out pollutants.



Checklist:

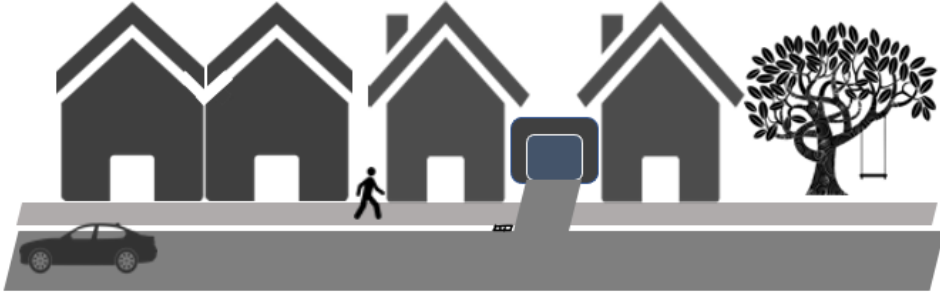
- ☐ Draw what you will do.
- ☐ Draw what you will measure.

Briefly explain what you will do and measure.

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3. Draw runoff and how it gets polluted on the figure below.

	Checklist: ☐ Draw runoff. ☐ Draw pollutants.
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List some pollutants found in runoff.

Directions: Make a prediction.

4. Circle what you think is correct for the following two statements:

- [The soil rain garden, The pebbles rain garden, No rain garden, Both rain gardens] will reduce the amount of runoff.
- [The soil rain garden, The pebbles rain garden, No rain garden, Both rain gardens] will reduce the pollution.

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Directions: Follow the teacher's directions to test the rain gardens.

5. Record the data in the table below

Table 1					
Rain Garden Experiment: Measurements of Collected Runoff					
Rain garden type	Height (cm)	Pollution (Circle if present)			
No rain garden		trash/cereal	dirt	oil	food coloring
Soil		trash/cereal	dirt	oil	food coloring
Pebbles		trash/cereal	dirt	oil	food coloring

Directions: Use the data collected in Table 1 to answer question 6.

6. Does your data support or refute your predictions (your answers to question 4)? Why or why not?