

Investigate How Rain Gardens Help

Student quiz—*Answer key*

Directions: Select the best answer from the options provided.

1. What is one of the purposes of a rain garden?
 - a. To make runoff pool into puddles on the street.
 - b. To make less runoff flow to lakes and rivers.
 - c. To make more runoff flow to lakes and rivers.
 - d. None of the above.

2. What happens to runoff when rain gardens are present?
 - a. It becomes more and more polluted.
 - b. It becomes cleaner than the rainwater that falls from the sky.
 - c. Some pollutants are filtered out.
 - d. All of the above.

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Help—Page 2

Student quiz — *Answer key*

Directions: Use the data in Table 1 to answer questions 3 and 4.

Table 1. Rain Garden Experimental data. One cup of water was poured on each garden. Runoff was collected and measured.		
Type of garden	Height of collected runoff (cm)	Drawing of collected runoff
Only pavement	12	
Rain garden	8	
Rain garden with plants	5	

3. Natasha predicted the following: “Rain gardens reduce runoff more than rain gardens with plants.” Does the data in Table 1 support her prediction?
- a. Yes, the data supports her prediction.
 - b. No, the data does not support her prediction.
 - c. The data is inconclusive.
 - d. The data cannot be used to evaluate the prediction.
4. Liam predicted the following: “Rain gardens with plants filter out more pollutants than rain gardens.” Can Liam use the data from Table 1 as evidence to support his prediction? Explain why or why not.

No, Liam cannot use the data from Table 1 as evidence to support his prediction. Table 1 does not list data on pollutants in runoff, so it cannot be used to support a prediction on how polluted runoff is.