

## Pollution Solution - Student Journal

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

(1.) Analyze the different types of packing peanuts using your senses and record your observations in the table below.

Type of Peanut	Observations
Cornstarch	
Styrofoam	
Dyed Cornstarch	

(2.) Describe in the space below the test(s) your group used to evaluate each peanut type's ability to protect products during shipping.



(3.) Enter the results of your tests in the table below.

Type of Peanut	Ability to Protect Product				
Cornstarch	Poor	Fair	Good	Excellent	Outstanding
Styrofoam	Poor	Fair	Good	Excellent	Outstanding
Dyed Cornstarch	Poor	Fair	Good	Excellent	Outstanding

(4.) Evaluate the environmental impact from each type of peanut. Is the peanut easily biodegradable or will it need to be thrown out in the garbage after use? Also consider the cost of each type of peanut as indicated in the table.

Type of Peanut	Easily Biodegradable		Cost/bag
Cornstarch	Yes	No	\$14
Styrofoam	Yes	No	\$12
Dyed Cornstarch	Yes	No	\$60

(5.) Consider the peanut's ability to protect product, its environmental impacts, and its cost and arrive at a conclusion in your group. Which of the three factors (protection, environmental impact or cost) was most important to your group? Which peanut will you use? Explain your answer.

(6.) Are there any steps you could take in your life to reduce the amount of garbage you produce? List three in the space below.

