

SCIENCE

2010-2011 OAA Questions Task Cards

Two students perform an investigation to test the effects of sugar water on plant growth. The observations of both students are shown in the table.

Plant Growth Observations

	Student 1		Student 2	
	Plain Water	Sugar Water	Plain Water	Sugar Water
Final Height of Plant	Very Tall	Short	15 cm	10 cm
Number of Leaves	Many	Less	18	7
Number of Flowers	A Lot	A Few	3	1

Both students conclude that the plant given plain water is healthier than the plant given sugar water.

In your **Answer Document**, explain why Student 2's conclusion is more scientific than Student 1's conclusion. Support your response with evidence from the investigation. (2 points)

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Xiaolong Qi

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