



NAME: _____

Tomatosphere ISU

Due: June 8/9

TOTAL: / 23

You were part of an experiment that allowed the Grade 9 classes at R.H. King to investigate the effects of space environment on the growth of food that will inevitably support long-term human space travel. Each group was given seeds from 1 of 2 packages of tomato seeds. One contained seeds that had been sent into space and the other was the “control” (seeds that have not been in space).

Your Group’s Seed Packet: _____

1. What was your hypothesis when you started the experiment? What did you expect to see with the 2 packets of tomato seeds? (2 marks)

2. What were the results? Attach your daily observation table to this report – observations should include weather conditions, temperature and when the plant was watered. (10 marks)

3. Research and describe 3 potential reasons for the setbacks seen in the Tomatosphere project. (3 marks)

4. How would you improve your experiment in the future? (1 mark)

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5. The following are sample experimental data from previous Tomatosphere projects:

	Packet A	Packet B
Date	# of Seeds Germinated	# of Seeds Germinated
May 4	0	0
May 5	0	0
May 6	0	0
May 7	0	0
May 8	0	0
May 11	0	0
May 12	2	1
May 13	2	2
May 14	5	2
May 18	11	2
May 19	19	5
May 20	19	8
May 21	20	8
May 22	24	8

- a. Graph the data for Packet A and Packet B on the same grid. Remember to label the x and y axis and include an appropriate title for the graphs. (5 marks)
- b. What could you interpret from these results as it relates to SPACE? (2 marks)

Germination Chart

