



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

Section: \_\_\_\_\_

Date: \_\_\_\_\_

### Cloud Catching: Student Assessment

Rashawn wants to figure out a way to watch what is happening in the soil, one foot under the surface of the ground. Specifically, he would like to see a 5” x 5” area of a local park.

(1) Design a product that could address Rashawn’s need. Make a detailed, labeled drawing on a separate sheet of paper.

(2) List the materials that would be used in this product.

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(3) What are the limitations of this design? List and explain each one separately.

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(4) If Rashawn is a 7<sup>th</sup> grader, do you think he would be able to make and implement this design? Explain.

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(5) If Rashawn is an adult who works at a local garden store, do you think he would be able to make and implement this design? Explain.

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(6) If you answered “No” to questions 4 and 5, please describe the conditions under which Rashawn *would* be able to make and implement this design.

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