**Movement within a cell: 15pts Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Open Response:** Complete on the back of this sheet or on another sheet of paper.

Use your understanding and observation of osmosis and diffusion to explain why cooking dried pasta in boiling water makes the pasta soft. Use the Claim-Evidence-Reasoning framework for your answer.

Scoring Rubric:

|  |  |
| --- | --- |
| Score | Description |
| 4 | The response demonstrates an in-depth understanding of osmosis. Student correctly uses the CER framework to describe the process by which water moves into or out of a cell using the pasta example observed in class. |
| 3 | The response demonstrates a general understanding of osmosis. Student correctly uses the CER framework but is broad in description of the process by which water moves into or out of a cell using the pasta example observed in class. |
| 2 | The response demonstrates a simplistic understanding of osmosis. Student doesn’t correctly use the CER framework but does partially describe the process by which water moves into or out of a cell using the pasta example observed in class. |
| 1 | The response demonstrates a minimal understanding of osmosis. Student doesn’t correctly use the CER framework but does minimally describe the process by which water moves into or out of a cell using the pasta example observed in class. |
| 0 | The response is incorrect or contains some correct work that is irrelevant to the CER framework and process of osmosis. |

Brainstorm Area: