**Wicking Decision Scoring Rubric**

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| --- | --- | --- | --- | --- |
| **4** | **3** | **2** | **1** | **0** |
| Named material that absorbed the most in comparison with others with data  AND  Named material that absorbed the fastest and included data in comparison with other materials | Named material that absorbed the most AND/OR  material that absorbed the fastest  AND  Provided data and a comparison for one of the points | Named material that absorbed the most AND material that absorbed the fasted, but provided no data.  OR  Named a material for one point and included data, but provided no comparison among materials. | Named material that absorbed the most OR material that absorbed the fasted, but provided either no data or inaccurate data | No Response |

**Example of Student Writing Using the R.A.C.E. Writing Approach--Score of 4**

We needed to figure out the best type of material to use as a wick for our hydroponics system. There are many materials that absorb water and work when tested, but we found one material that was better than the others. This material was a sock, the sock is 70% cotton and 30% polyester. This experiment showed that the sock was best, because It absorbed 5 grams of water, whereas the nylon, absorbed 0 grams of water. We did have a close tie between the sock and the cotton shirt, but since the cotton shirt only picked up 4 grams of water, we decided the sock would be best. We decided to choose the sock over the cotton shirt because it did absorb the most water, and it did absorb it the fastest. I think it worked the best because since there are many different fibers, they work together to absorb the most water. Therefore, during this experiment our group learned that a sock absorbs the most water out of a piece of cotton shirt, a piece of nylon, and a shoelace.