Statistical Reasoning Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

WS 1.2 Where Do Data Come From Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Day \_\_\_\_\_\_\_

**Use the following information to answer questions 1 and 2:**



1. Who are the individuals
2. What are the variables? Identify each as categorical or quantitative.

**Use the following to answer questions 3-5:**

A high school’s debate team is planning to go to a 3-day competition. Team members are responsible for sharing the hotel cost for two nights. Here is a chart that summarize the hotel information:



1. What are the individuals?
2. What are the variables? Identify each as categorical or quantitative.
3. If you were a debate team member, which hotel would you recommend? Why?
4. In the recycling example from your notes, we decided that weight was not a good measure to determine if a household recycles more than another. What variable could you measure instead?
5. Popular magazines rank colleges and universities on their “academic quality.” Describe 4 variables you would use to rate a college or university?