The demonstration that was just shown to you was designed to show the difference between an observation and an inference. An **observation** is something that is factually based and can be observed with one of the five senses. Statements such as, “My heart beats 60 times a minute” and “That building has 14 windows” are all observations.

**Observations and Inferences**

An **inference** is something that is made when someone makes a scientific judgment or guess based on known or unknown facts. Statements such as “I could throw a strike” and “Bill is the tallest person in the high school” are not based on scientific facts.

1. Use the table below to make 4 observations and 4 inferences about this classroom.

|  |  |
| --- | --- |
| Observations | Infrences |
|  |  |

1. Use the table below to make 4 observations and 4 inferences about a partner

|  |  |
| --- | --- |
| Observations | Inferences |
|  |  |