

**Title**

What two experimental questions are being asked?

**State Two Claims**

**Experimental Design**

Constants

Independent Variables

Dependent Variable



**Evidence to Support Claim**

Title:

Gender M or F (circle)	Time for solution to change color (sec)	Class Average Girl Time (sec)	Class Average Boy Time (sec)
Before exercise			
After exercise			

Title:

**Key:**

- Boys before exercise
- Boys after exercise
- Girls before exercise
- Girls after exercise

**Analysis Questions:**

1. What process in your body produces carbon dioxide (CO<sub>2</sub>)?
2. What happens to the carbon dioxide (CO<sub>2</sub>) your body produces?
3. Does exercise affect cellular respiration in boys and girls differently? If so, how?
4. How does exercise affect cellular respiration?