

BIOL 101 Lab 11: Respiration & Photosynthesis

Lab Instructor: _____ Lab Day & Time: _____
 Student Name(s): _____

RESPIRATION

Temperature of Water Bath: _____ °C

Weight of Peas: _____ g # 0.001 = _____ g Vol. of H₂O displaced

Weight of Medicago: _____ g

DATA TABLE (CONSUMPTION)

| Time period (minutes) | Location of H ₂ O in pipette (vol. for H ₂ O) | Location of H ₂ O in pipette (vol. for H ₂ O, H ₂ O + CO ₂) |
|--|---|--|
| 1 st 5 minutes | | |
| 2 nd 5 minutes | | |
| 3 rd | | |
| 4 th | | |
| 5 th | | |
| TOTAL H ₂ O consumed | | |
| Average oxygen consumption per 5 minutes | | |
| Average oxygen consumption per minute | | |
| Calculated oxygen consumption (ml O ₂ uptake) (1) | | |
| Measured Water Displacement (2) | | |

(1) = use formula on p16
 (2) = use formula on pg 16