

BIOSPHERE 3 C.E.R.

Period 6 (4-16-18)

After 32 days of experimentation, we claim that our 600 Open system has lost **more** mass than our 600 Closed system. In our lab, we found our Open system to lose 3.2% of its original starting mass and our Closed system to lose 0.96% of its original starting mass. We believe that **evaporation** of water mass in our open system is able to interact more freely with the external environment.

Period 5 (4-26-18)

After 32 days of experimentation, we report that our 500 Open system has lost more mass than our 500 Closed system. In our lab, we found our Open system to have lost 9.1% of its original starting mass, while our Closed system has only lost 1.6% of its original mass. We believe that the evaporation of water mass in the Open system is able to interact more freely with its external environment than the closed system bottle.

Period 3 (4-26-18)

After 32 days of experimentation, we claim that our 300 Open system has lost more mass than our 300 Closed system. Looking at the data, we find that our open system has lost 5.6% of its original starting mass. Our closed system has only lost 1.6% of its original starting mass. We believe that evaporation of water mass in our open system is able to interact more freely with the external environment and therefore is losing more mass than the closed.

Period 2 (4-27-18)

After 32 days of experimentation, we find our 200 open system to have lost more mass than our 200 closed system. We calculate that our open system has lost 10.7% of its original starting mass. Our closed system has lost 2.4% of its original starting mass. We believe that the open system is losing more mass due to evaporation of water to the external environment.