



GAIA'S ASCENT: VARIABLES AFFECTING CRYSTAL GROWTH



SCHOOL: CANFIELD HIGH SCHOOL

LOCATION: CANFIELD, OH

FLIGHT PROVIDER: AEROSTAR

GRADES: HIGH SCHOOL

STUDENT EXPERIMENT DESCRIPTION

Our experiment examines the effects of high altitude conditions on crystal growth. We hypothesize that low pressure conditions will cause faster crystal growth than in the laboratory. We also believe that the UV radiation will aid in crystallization. Our inspiration came from an experiment in our chemistry class. We found that growing good-quality crystals with the correct shape is difficult. There were many factors that either promoted or interfered with formation.