

Written: Betsy Husted

Date: January 21, 2011

Instructor's Name: Professor Nicholas Hader

Assignment #: SOCIO 10000 Phase 1 Lab Report

Title: Socialization

Abstract:

The purpose of this lab report is to illustrate what happens when a population becomes socially isolated and loses group by natural selection. Having a natural bottleneck. It also illustrates how the physical and socioculturally interactive behavior of a species will only persist down to about half a million individuals but has reproductive behavior.

Introduction:

This is an experiment of speciation and the factors of diverse species preventing life forms and their reproduction of reproducing female and males offspring. It is an observation of a natural occurrence where the species are separated by time or space, resulting from a bottleneck of species. According to Hader, "It is assumed that reproduction of a species is a general means for the survival of a species in maintaining evolutionary variations, high-level evolution, biological traits, geographic regions and other non-physiological properties. Population is more likely to increase than one dominant species" (Berkeley University, n.d.). Hader believes, "This is not necessarily a physical bottleneck such as a waterfall that divides the groups of organisms, it might just be a geographical isolation among the two populations that keeps them from mating together" (Berkeley University, n.d.). The lab analysis will prove that organisms separated by time and space will not have the possibility of producing offspring together through reproduction.