

- e. Given a complex food web, create a trophic pyramid and determine the amount of energy in each level when given a quantity of energy entering the producer level.
 - f. Students are given a graph depicting the changes in two interacting populations of different species in a habitat. Predict which population is the predator and which is prey. Give reasons for your choices.
 - g. Determine the population growth rate for an area given r (rate on increase) and N (number of individuals).
 - h. Students are given three age structures and asked to determine which population has the highest birth rate, death rate, doubling time, and mean age
5. SCORING: Questions will be assigned point values. Teams will be ranked from highest to lowest score. Ties will be broken by pre-determined tiebreaker questions.