

Biology Homework Chapter 2: Populations

Pages 29 - 40

Name _____

Per. _____

Answer the questions with complete thoughts!

* **Sections 2.1 through 2.3:** Read pages 29 to 34

PART A:

1. Put the following terms in their levels of organization starting with the least complex level to most complex level. Give examples for each level using the same organism throughout the exercise.

Communities *Biosphere* *Individual* *Population* *Ecosystem*

(least complex level)

(most complex level)

2. Study **Figure 2.1 on page 30**. Answer the questions (all 4 of them) in the caption.

PART B:

Define the following terms in your own words.

Mortality _____

Birth rate _____

Immigration _____

Emigration _____

Environment _____

Abiotic factors _____

Biotic factors _____

Limiting Factor _____

Density _____

Succession _____

* **Sections 2.8 through 2.12:** Read pages 37 to 43

PART A:

1. At the current rate of human population growth, what is the estimated *world human population* for the year 2025?
(Hint: use the 2nd graph of Figure 2.11 on page 38)

2. Give two ways in which human population increase will affect your way of life? e.g. state-parks, beaches, stadiums, food availability, etc. Be specific!

3. What are two limiting factors for the human population? Explain how these two limiting factors will affect the world human population.

4. Define: FAMINE, and CALORIE [food calorie]

5. Even though many parts of the Earth still have a very low population of humans, SPACE is still a limiting factor. Explain why this is the case (remember the *Apple Earth Demo*?)

6. Currently, where on Earth might a *population crash* be possible and what makes you think so?

PART B:

Read, study and know pages 37 - 43. Answer questions **5 and 6 only** in the **CONCEPT REVIEW on page 43**. Answer the questions in complete intelligent answers in the space provided. Number your answers.

