**ENVIRONMENTAL SCIENCE QUARTERLY 2 REVIEW**:

NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**A.GIVE AN EXAMPLE FOR EACH OF THE FOLLOWING TERMS:**

1. Infrastructure:

2. Ecosystem:

3. Demographer:

4. Population:

5. Endangered species:

6. Climate:

**B. ANSWER EACH PART OF THE QUESTION COMPLETELY:**

1. **What** are greenhouse gas and **how** are they affecting climate change? **What** do humans have to do with the amount of greenhouse gases in the atmosphere?
2. **How** are CFCs affecting the ozone layer and W**hy** is it dangerous to humans?
3. **Describe** what a developing country’s age structure graph would look like:

* 3 indicators that a country is in a developing stage:

1. **Describe** what a developed country’s age structure graph would look like:

* 3 indicators that a country is in a developed stage:

1. **Explain** which factors allowed for exponential human population growth and in **which** age it began. **Why** did the world population double between 1880 and 1930?
2. **Explain** how the education of women contributes to lower birth rates**. Which** region of the world has the greatest population growth rate and **why** it is so difficult to reduce the birth rate in less-developed countries?
3. **List** two properties of populations. **Give** an example of a population and its two properties:

5.1

5.2

1. **Describe** what happened to the rabbit population introduced in Australia and how it affected the coyote population?
2. **List** the two types of population regulation and an example of each:

7.1

7.2

1. **Give** an example of each type of population growth rate:

* Negative –

* Positive –
* Zero –
* Exponential –

1. **Which** organisms have the greatest reproductive potential, **WHY**?

1. **Explain** how the Carrying Capacity of an ecosystem may control an organism’s growth

rate:

1. List and give examples of the 5 types of interactions between organisms:

11.1

11.2

11.3

11.4

11.5

1. **How** many species are estimated to be living on earth and **which** species is causing the current mass-extinction, **how**?
2. **Which** law has the U.S. enacted to protect endangered species and how does it compare to other country’s laws? **What** are the main provisions of the law:
3. **Explain** why biodiversity is important and where most of the critically, biodiverse hotspots are located:
4. **List** the 5 primary air pollutants and their effects on the environment. Name a secondary pollutant and what it is composed of:

17.1

17.2

17.3

17.4

17.5

1. **What** causes most air pollution? **How** have CO2 levels changed since the 50’s**. Describe** the pattern of CO2 in the atmosphere?
2. Describe the type of technology used most often to limit industrial emissions:
3. What is a temperature inversion and how does it increase respiratory issues?
4. **What** are the two major, harmful, indoor air pollutants and **how** do they affect humans? **Which** types of buildings are condusive to increasing the changes of exposure to these pollutants?
5. **Describe** why air circulates:
6. **What** is climate and **how** does latitude affect a region’s climate?
7. Acid rain would have a pH level below:
8. **Describe** where the thinning of the Ozone layer occurs? **How** is the thinning related to cycles on the Earth? **How**?