**Ch. 1 Basic Concepts**

**Key Issue 4 Why Are Some Actions Not Sustainable?**

**Rubenstein, pp. 32-40**

**I. SUSTAINABILITY AND RESOURCES**

* + - 1. Define **resource**:
      2. Define **sustainability**:
      3. Differentiate between a **renewable** and **nonrenewable** **resource**.
      4. What are some negative ways humans have impacted the sustainability of resources?
      5. What are some positive ways humans have impacted the sustainability of resources?
      6. Describe the three (3) pillars of sustainability:

a.

b.

c.

* + - 1. Differentiate between **conservation** and **preservation**.
      2. What are the two main criticisms of sustainability?

a.

b.

* + - 1. a. What one thing do both defenders and critics of sustainability agree upon?

b. Do you think this *should* actually happen?

**II. SUSUTAINABILITY AND EARTH’S PHYSICAL SYSTEMS**

* + - 1. Differentiate between **biotic** and **abiotic** systems.
      2. Describe the three **abiotic** physical systems.

a.

b.

c.

* + - 1. Define **climate**:
      2. Identify Vladimir Kӧppen’s five main climate regions:

* + - 1. How does climate affect the distribution of people on the Earth’s surface?
      2. Why would maps of Earth’s hydrosphere, lithosphere, and biosphere be important in the quest for sustainability?

**III. GEOGRAPHY, SUSTAINABILITY AND ECOLOGY**

* + - 1. Define **ecosystem**:
      2. Define **ecology**:
      3. What are some ways humans affect the biosphere?
      4. Take notes on each of the following terms:

a. **Cultural Ecology** -

b. **Environmental Determinism** -

c. **Possibilism** - (& how it relates to sustainability)

**IV. SUSTAINABLE ENVIRIONMENTAL CHANGE**

* + - 1. Complete two case studies which describe human modifications of and adaptation to the local environment. To do so, on the left side annotate the blank maps by shading and labeling the maps with information critical to understanding how people in both the Netherlands and California have modified their environment. On the right side, bullet brief notes about each scenario.

1. THE NETHERLANDS



1. CALIFORNIA

