Diversity in Ecosystems 2 Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Outcomes: (114-1)**

**Content: Page 6-7**

**The Earth as a closed ecological system:**

* **Closed System:** A system in which there is no, or minimal, input of new material from the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. (Self-sustaining)
* The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is like this
* Only the sun’s energy can enter and some \_\_\_\_\_\_\_\_\_\_\_ can leave
* We have a number of resources which must be managed properly and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* There are\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ resources
  + If we run out of oil, for example, there won’t be any more arriving by courier, it is gone \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**The Earth as a Spaceship:**

* Think of a spaceship
* There is a supply of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, food, and shelter
* All organisms on board work together to make sure all the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are working properly
* Really, it is an \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* We can think of the planet Earth as a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* If any malfunction occurs, the red alert flashes and something must be done or else the whole system will \_\_\_\_\_\_\_\_\_\_\_\_

**Sustainability:**

* The development of our \_\_\_\_\_\_\_\_\_\_\_\_\_\_to meet our present needs without reducing the ability of \_\_\_\_\_\_\_\_\_\_\_\_ generations to meet theirs
  + If we make sure we don’t take or use too much \_\_\_\_\_\_\_\_, we ensure that there will be some \_\_\_\_\_\_\_\_\_\_\_\_\_\_
* A sustainable system is one that \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, functions and is renewed over \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_