**Ecology & Resources Study Guide**

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| --- | --- | --- |
| **Vocabulary** | **Definition** | **Example(s)** |
| ecology |  | n/a |
| food |  |  |
| food chain |  |  |
| food web |  |  |
| producer |  |  |
| consumer |  |  |
| decomposer |  |  |
| herbivore |  |  |
| carnivore |  |  |
| omnivore |  |  |
| biotic |  |  |
| abiotic |  |  |
| biodiversity |  |  |
| carrying capacity |  |  |
| limiting factor |  |  |
| invasive species |  |  |

|  |  |  |
| --- | --- | --- |
| **biome** | **brief description** | **organisms that live there** |
| grassland |  |  |
| tundra |  |  |
| taiga |  |  |
| temperate  deciduous forest |  |  |
| savanna |  |  |
| tropical rainforest |  |  |
| desert |  |  |
| freshwater |  |  |
| marine |  |  |

|  |  |
| --- | --- |
| **Factor** | **Impact on biodiversity** |
| human population growth |  |
| habitat degradation |  |
| pollution |  |
| overfishing |  |

1. Put the levels in order from smallest to largest: community, ecosystem, biosphere, organism, & population.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **smallest** |  | | | **largest** |
|  |  |  |  |  |

2. What does the arrow point to in a food web? (circle correct answer): the one eating the one being eaten

**Vocabulary Definition Example(s**)

|  |  |  |
| --- | --- | --- |
| energy |  |  |
| resource |  |  |
| nonrenewable |  |  |
| renewable |  |  |
| fossil fuels |  |  |
| sustainability |  |  |
| agriculture |  |  |
| conservation |  |  |
| ecological footprint |  |  |
| monoculture |  |  |
| polyculture |  |  |

3. What *single* **nonrenewable resource** is used to make fuel, gasoline, petrol, kerosene, butane, diesel fuel, grease, styrofoam, nylon, jet fuel, synthetic rubber, pharmaceuticals, solvents, fertilizers, asphalt, pesticides, acrylics, PVC, polyester, lubricants, waxes, tar, & plastics? (*hint: one word, starts with “P”*) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**renewable or**

|  |  |  |
| --- | --- | --- |
| **energy resource** | **brief description of how it works** | **nonrenewable** |
| coal |  |  |
| nuclear |  |  |
| wind |  |  |
| solar |  |  |
| hydroelectric |  |  |