Ecosystems

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|  |  | 5  A |  |  |  |  | 6  P |  |  |  | 7  P | O | P | U | L | A | T | I | O | N |  | I |  |  |  |  |  |  |  |
|  |  | B |  |  | 8  C |  | R |  |  |  | E |  |  |  |  |  |  |  |  |  |  | S |  |  | 9  C |  |  |  |  |
|  | 10  N | I | T | R | O | G | E | N | F | I | X | A | T | I | O | N |  |  |  | 11  S | Y | M | B | I | O | S | I | S |  |
|  |  | O |  |  | M |  | D |  |  |  | P |  |  |  |  |  |  |  | 12  D |  |  |  |  |  | M |  |  |  |  |
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|  |  | I |  |  | U |  | T |  |  |  | E |  |  | 14  P | R | O | D | U | C | E | R |  |  |  | E |  |  |  |  |
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|  |  | F |  |  | I |  | O |  |  | 15  P | A | R | A | S | I | T | E |  | 16  M | U | T | U | A | L | I | S | M |  |  |
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|  |  | C |  |  | Y |  |  |  | 17  B | I | O | T | I | 18  C | F | A | C | T | O | R |  |  |  | 19  N | I | C | H | E |  |
|  |  | T |  |  |  |  |  |  |  |  | R |  |  | O |  |  |  |  | S |  |  | 20  C |  |  | O |  |  |  |  |
|  |  | O |  |  |  |  |  |  |  |  |  | 21  E | C | O | S | Y | S | T | E | M |  | O |  |  | N |  |  |  |  |
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|  |  |  |  | 22  P | H | O | T | O | S | Y | N | T | H | E | S | I | S |  |  |  |  | S |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  | 24  L | I | M | I | T | I | N | G | F | A | C | T | O | R |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  | 25  C | O | M | M | E | N | S | A | L | I | S | M |  |  |  |  |  |  |  |  |  |

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| **Across**  **2.** The process in which fixed nitrogen compounds are converted back into nitrogen gas and returned to the atmosphere  **3.** A feeding level in an ecosystem  **7.** A group of organisms of the same species living in the same place  **10.** The process that converts nitrogen in the atmosphere into compounds in the soil that are useful to a varity of organisms  **11.** A close relationship between two species that benefits at least one of the species (3 types-mutualism, commensalism, parasitism)  **14.** An organism in a food web or food chain that makes its own food  **15.** An organism that lives in or on another organism and benefits at the other organism's expense  **16.** A symbiotic relationship between two organisms in which both organisms benefit  **17.** A living part of an ecosystem  **19.** An organism's role in its environment  **21.** All the living and nonliving parts of an environment as well as the ineractions among them  **22.** A process by which plants use the sun's energy to make food  **23.** An organism that eats producers  **24.** An environmental factor that prevents a population from increasing  **25.** A relationship between two species in which one species benefits and the other is neither helped or harmed | **Down**  **1.** A symbiotic relationship in which one organism benefits and the other is harmed  **4.** A predator that is at the top of a food chain and that is not preyed upon by any other animal  **5.** The nonliving parts of an ecosystem  **6.** A relationship in which one animal hunts, kills and eats another animal  **8.** All the populations of organisms in an ecosystem  **9.** An interaction that occurs when organisms try to get the same resources  **12.** An organsim that gets energy by breaking down dead organisms and the wastes of living things  **13.** An organism that a parasite lives in or on  **18.** A helpful interaction among organisms living in a limited area that aids each organism's survival  **20.** An organism that obtains energy by feeding on other organisms |