



Name _____

Introduction to Ecology

A crossword puzzle grid with 51 numbered starting points for words. The grid consists of black and white squares. The numbers are placed in the top-left corner of the starting square for each word.

Numbered starting points:

- 1: Down, 3 squares
- 2: Down, 10 squares
- 3: Down, 10 squares
- 4: Down, 5 squares
- 5: Down, 3 squares
- 6: Across, 10 squares
- 7: Across, 10 squares
- 8: Down, 6 squares
- 9: Across, 6 squares
- 10: Down, 6 squares
- 11: Across, 6 squares
- 12: Down, 6 squares
- 13: Down, 3 squares
- 14: Across, 6 squares
- 15: Across, 6 squares
- 16: Down, 6 squares
- 17: Down, 6 squares
- 18: Across, 6 squares
- 19: Across, 6 squares
- 20: Across, 2 squares
- 21: Down, 3 squares
- 22: Across, 6 squares
- 23: Down, 3 squares
- 24: Across, 6 squares
- 25: Across, 6 squares
- 26: Across, 3 squares
- 27: Down, 10 squares
- 28: Across, 6 squares
- 29: Down, 3 squares
- 30: Across, 10 squares
- 31: Across, 6 squares
- 32: Down, 6 squares
- 33: Down, 6 squares
- 34: Across, 6 squares
- 35: Down, 3 squares
- 36: Down, 6 squares
- 37: Down, 6 squares
- 38: Down, 6 squares
- 39: Down, 3 squares
- 40: Across, 6 squares
- 41: Down, 6 squares
- 42: Down, 6 squares
- 43: Across, 6 squares
- 44: Down, 3 squares
- 45: Down, 3 squares
- 46: Across, 6 squares
- 47: Across, 6 squares
- 48: Across, 6 squares
- 49: Across, 6 squares
- 50: Across, 6 squares
- 51: Across, 10 squares



Clues

- Across
- 6 The ability of organisms to function within a specific range of temperatures, salinities, or rainfall amounts.
 - 7 Animals that obtain energy by eating both plants and animals.
 - 9 This scientist started the field of ecology.
 - 11 The greenhouse effect could lead to rising sea levels as _____ melts. (2 words) (2 Words)
 - 14 All of the living organisms found in a particular area.
 - 15 The process an organism goes through when adjusting to a change in an abiotic factor.
 - 18 A collection of all the organisms that live in a particular place, together with their nonliving environment.
 - 19 Name given to organisms that use energy to control some of their internal body conditions.
 - 20 The ultimate source of energy for life on Earth.
 - 22 Cold water near the poles sinks and flows parallel to the ocean floor. It rises again in warmer regions producing an _____.
 - 24 A species that has a broad niche; it can tolerate a range of conditions and use a variety of resources.
 - 25 Too much of this gas is causing an increase of trapped heat in our atmosphere. (2 Words)
 - 26 This results when warm air masses rise and cold air masses sink.
 - 28 Name given to an organism that is not capable of making its own food.
 - 30 Each step in a food chain. (2 Words)
 - 31 In this climate zone the sun's rays strike the Earth at a very low angle. (2 Words)
 - 34 A series of steps in which organisms transfer energy from one organism to another by eating and by being eaten. (2 Words)
 - 40 Organisms that can carry out photosynthesis.
 - 43 A brief period of time in which large numbers of species die out and disappear. (2 Words)
 - 46 An event that changes a community by removing organisms from it or by altering the availability of resources.
 - 47 The nonliving components of the environment are called _____. (2 words) (2 Words)
 - 48 The burning of _____ (two words) increases the amount of carbon dioxide in the atmosphere. (2 Words)
 - 49 Name given to an organism that is capable of using energy from the environment to make its own food in the form of molecules of glucose.
 - 50 A species with a narrow niche. It requires a single resource to survive.
 - 51 This family of molecules is destroying the ozone layer.
- Down
- 1 A molecule composed of three atoms of oxygen.
 - 2 One of two abiotic factors that is a major determiner of the distribution of organisms.
 - 3 The day-to-day condition of Earth's atmosphere at a particular time and place.
 - 4 The scientific study of interactions between organisms and the environment.
 - 5 The amount of energy passed from one trophic level to the next in an energy pyramid. (2 Words)
 - 8 Organisms that cause decay by breaking down organic compounds into simpler molecules.
 - 10 The average conditions of temperature and precipitation in a particular region over a long period of time.
 - 12 This climate zone receives direct or nearly direct sunlight all year long. (2 Words)
 - 13 The broadest level of ecological organization.
 - 16 Animals that obtain energy by eating other animals.
 - 17 Name given to organisms that do not regulate their internal conditions.
 - 21 How many mass extinctions have occurred in Earth's past?
 - 23 The living components of the environment. (2 words) (2 Words)
 - 26 One of two abiotic factors that is a major determiner of the distribution of organisms.
 - 27 The ozone layer protects and shields the organisms on Earth from this. (2 Words)
 - 29 A genetic change in a species or population that occurs over many generations.
 - 32 Name of the trophic level that consists of the predators of herbivores. (2 Words)
 - 33 All of the members of a single species that live in an area.
 - 35 Organisms that feed on plant and animal remains, animal wastes, or other dead matter.
 - 36 In this climate zone, temperatures range from hot to cold depending on the season. (2 Words)
 - 37 This insulates our Earth from the deep cold of space. (2 Words)
 - 38 Name of the trophic level occupied by the herbivores. (2 Words)
 - 39 Organisms that use energy from inorganic chemical reactions to make their own food.
 - 41 The network of complex interactions formed by the feeding relationships among the various organisms in the ecosystem. (2 Words)
 - 42 Animals that obtain energy by eating only plants.
 - 44 A way of life, or the role played by the members of a species.
 - 45 The place where an organism lives; its address.