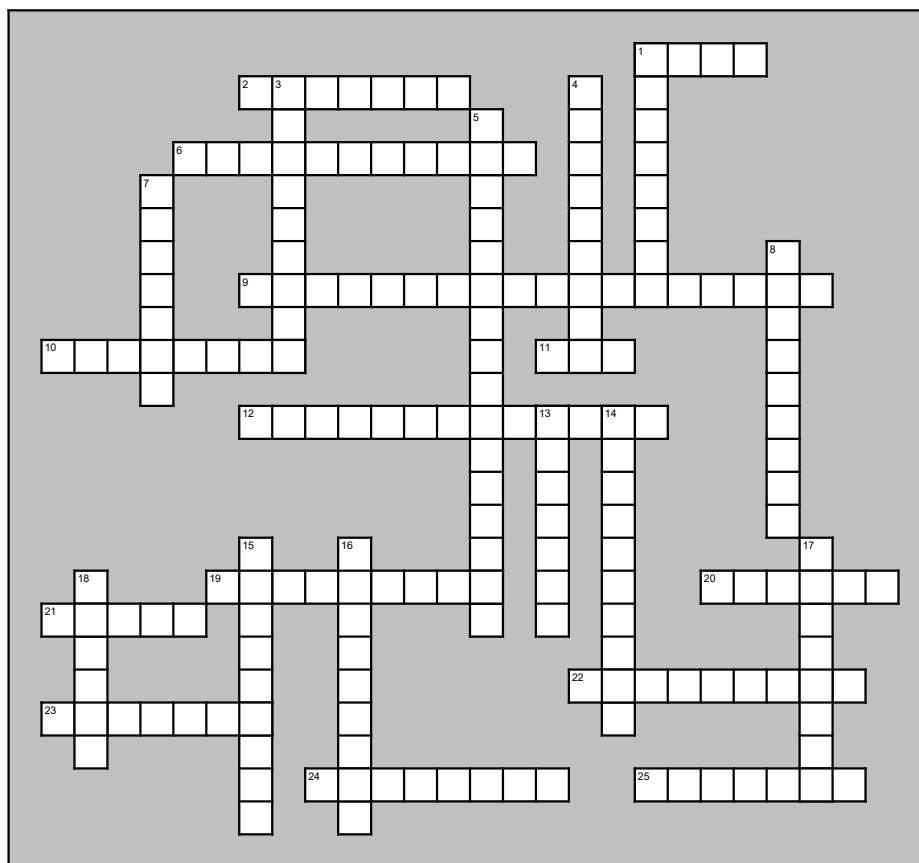


Crossword



Across

- The organism that is hunted and/or eaten by another organism (predator). e.g. fly eaten by a fish. They develop means to escape detection (speed, mimicry, swimming, flying, blending in).
- Factors which are non-living in the environment like water, air, oxygen gas and nitrogen gas, wind, nutrients, soil and moisture.
- Organisms that live upon dead things to break them down into nutrients for the environment. e.g. bacteria and fungi.
- Any organism that feeds directly or indirectly on primary consumers. e.g. a small fish preying on a shrimp.
- An organism that can eat either plants or animals for nutrition. e.g. humans, bears.
- A food ____ show the more complex interconnection of various food chains in a biotic community. It shows interdependence within ecosystems.
- Food ____ including predation and scavenging.
- An organism that lives upon dead animals and plants in a saprophytic relationship. e.g. vultures, crows. Includes decomposers.
- Food ____ represent a transfer of energy through a series of organisms: producers, consumers and decomposers.
- The role a species plays in a community, particularly its role in relation to food. It is NOT the same as its habitat.
- Several interacting populations that inhabit a common environment and are interdependent.
- Ecologists call the amount or mass of living organic material in an ecosystem the _____. Only ~10% is available to the next trophic level.
- An organism that kills another organism (prey) for food. e.g. wolf eating a rabbit. They develop means to hunt (eyesight, hearing, smell, jaws, claws).
- The study of the relationship between organisms and their environment.

Down

- A model showing relationships of mass, number of organisms, and energy between levels in the food chain. Show the flow of energy from trophic level to trophic level beginning with the producers. Each level possesses ~10% of the energy available to it.
- The portion of our planet that is habitable for living organisms or for ecosystems which can sustain life. We only know of the earth as one of these in the universe.
- An organism that eats only other animals for their nutrition. e.g. eagle, hawk, cat, dog.
- Any herbivore which feeds directly upon the producers. e.g. cows, grasshoppers.
- ____ levels show the energy that flows through an ecosystem in one direction. Food chains are linear.
- Autotrophic organisms like green plants and protists that make food from simple raw materials and the sun (photosynthesis).
- An organism's physical environment where they live and feed.
- Organisms of the same species living together in a given location or ecosystem. There are many of these within human geographic areas.
- Interactions of the living community and the abiotic environment. Examples include streams, forests, deserts, classrooms.
- An organism that eats only plants for their nutrition. e.g. horses, cattle.
- Abiotic factors such as temperature, light, moisture, and nutrients which restricts the types and number of organisms that can live in an environment.
- Factors that are living in the environment like predators, prey, parasites and plants.