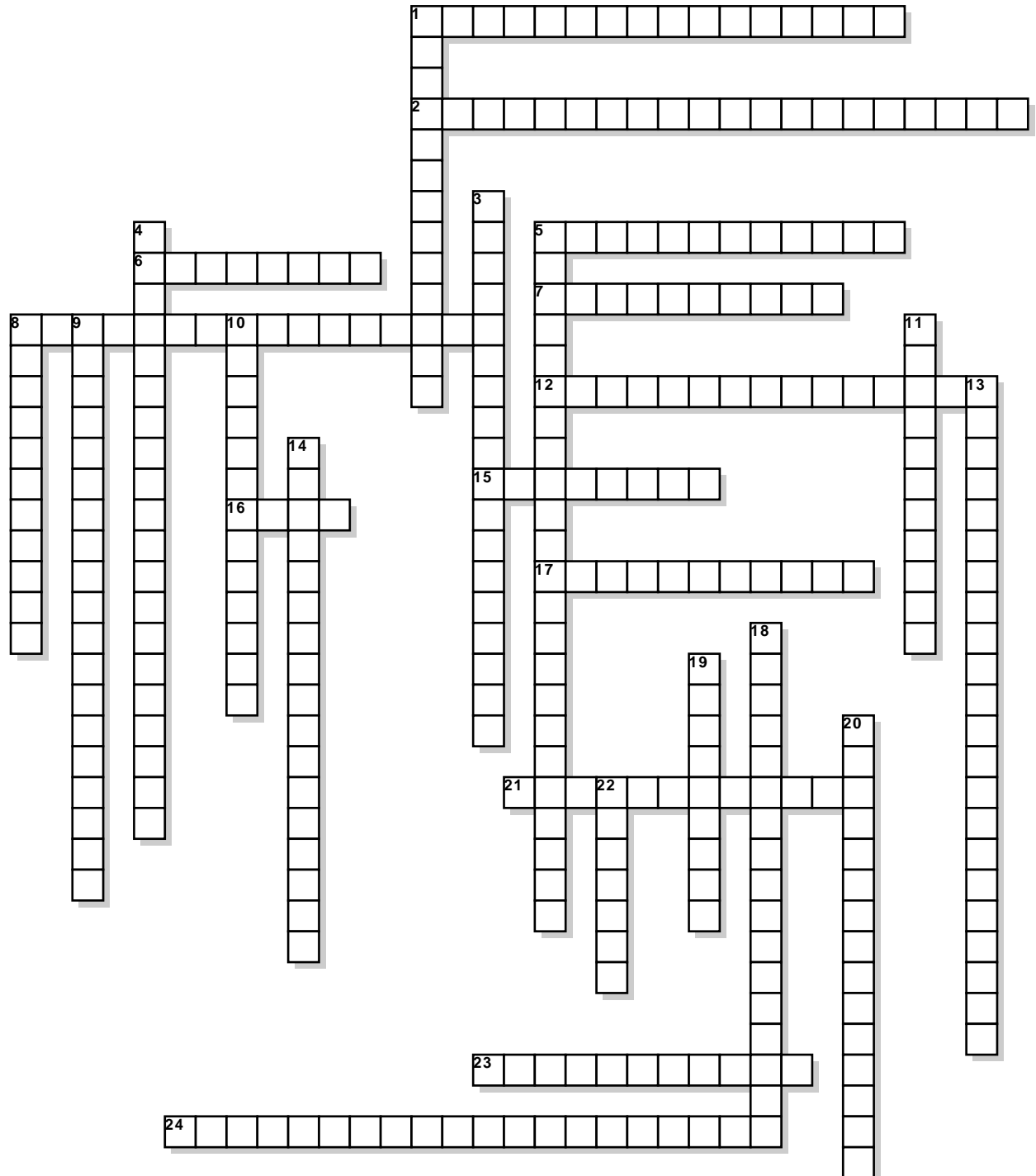


# Biology Crossword Puzzle 6



**Across**

- 1 Sum of total of all the different forms of genetic information carried by a particular species, or by all organisms on Earth.
- 2 Contributions to medicine and agriculture and through the provision of ecological goods and service.
- 5 Total of the variety of organisms in the biosphere; also called biological diversity.
- 6 Rain containing nitric and sulfuric acids.
- 7 Atmospheric layer in which ozone gas is relatively concentrated; protects life on Earth from harmful ultraviolet rays in sunlight.
- 8 Number of different species that make up a particular area.
- 12 Carbon dioxide, methane.
- 15 Oxygen poor area in water due to large amounts of sewage stimulating blooms of algae and bacteria.
- 16 Gray-brown haze formed by a mixture of chemicals (when burning fossil fuels releases compounds that join with air).
- 17 Raising of aquatic organisms for human consumption.
- 21 Microscopic particles that cause health problems.
- 23 Farming strategy of planting a single, highly productive crop year after year.
- 24 Resource that cannot be replenished by a natural process within a reasonable amount of time.

**Down**

- 1 Increase in the average temperature on Earth.
- 3 Variety of habitats, communities, and ecological processes in the biosphere.
- 4 Splitting of ecosystem into pieces.
- 5 Increasing concentration of a harmful substance in organisms at higher trophic levels in a food chain or food web.
- 8 Wearing away of surface soil by water or wind.
- 9 Total amount of functioning ecosystem needed both to provide the resources a human population uses and to absorb the wastes that population generates.
- 10 Destruction of forests.
- 11 Coal, oil, natural gas,
- 13 Strategy for using natural resources without depleting them and for providing human needs without causing long-term environmental harm.
- 14 Small geographic area where significant numbers of habitats and species are in immediate danger of extinction.
- 18 Resource that can be produced or replaced by healthy ecosystem functions.
- 19 Harmful material that can enter the biosphere through the land, air or water.
- 20 Lower land productivity caused by over-farming, overgrazing, seasonal drought, and climate change.
- 22 Mineral and nutrient rich portion of soil.

**Possible Answers:**

acid rain, aquaculture, biodiversity, biodiversity benefits, biological magnification, dead zone, deforestation, desertification, ecological footprint, ecological hot spot, ecosystem diversity, fossil fuels, genetic diversity, global warming, greenhouse gases, habitat fragmentation, monoculture, nonrenewable resource, ozone layer, particulates, pollutant, renewable resource, smog, soil erosion, species diversity, sustainable development, topsoil