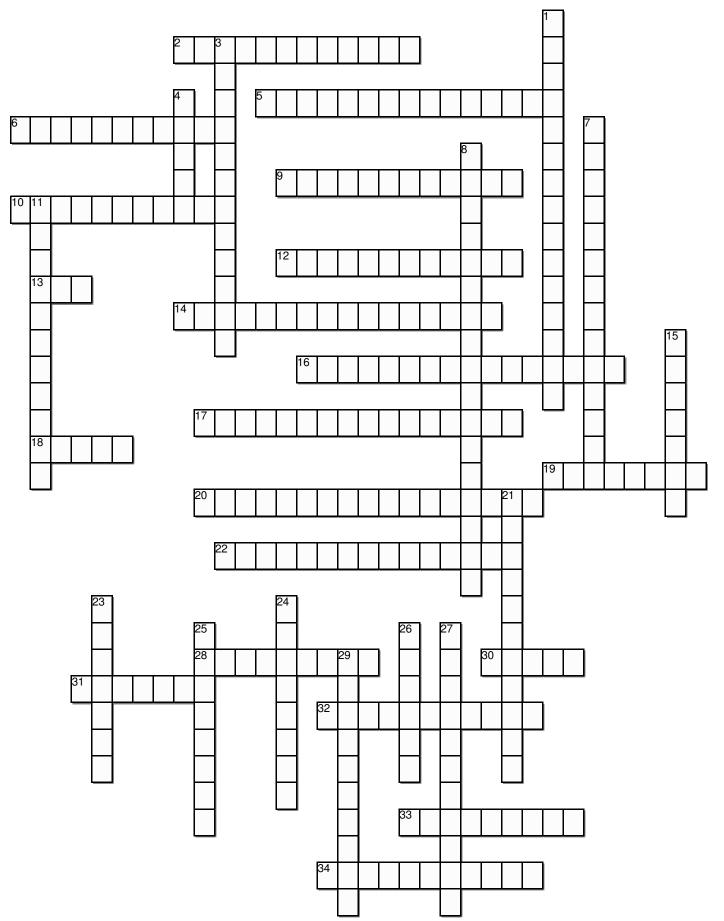
I-O Vocabulary

Complete the crossword below



Across

- **2.** body of water with a low supply of plant nutrients, high in oxygen
- **5.** broad and diffuse areas from which pollutants enter bodies of surface water or air
- 6. chemical that kills insects
- 9. downward movement of water through soil
- **10.** outer shell of the earth, composed of crust and outer mantle (outside of asthenosphere)
- **12.** rock formed when magma wells up from the earths core, cools and solidifies into rock masses
- **13.** combined use of biological, chemical and cultivation methods in proper sequence and timing to keep the size of a pest population below the level that causes economically unacceptable loss
- **14.** processes of nature, such as purification of air and water and pest control, which support life and human economies
- **16.** species that play roles affecting many other organisms in an ecosystem
- 17. nonnative species
- **18.** colorless and highly reactive gas and a major component of photochemical smog, also found in the ozone layer of the stratosphere
- **19.** a curve that represents a prolonged exponential growth
- **20.** process by which a particular beneficial gene is reproduced in succeeding generations more that other genes. (better adaptation, survival of fittest)
- 22. the area of shoreline between low and high tides
- **28.** movement of people into and out of specific geographic areas
- 30. molten rock below the earths surface
- **31.** solid, waxy mixture of hydrocarbons found in oil shale rock
- **32.** body of water with moderate nutrients, moderate oxygen
- **33.** type of species interaction in which both participating species generally benefit
- **34.** rock produced when a preexisting rock is subjected to high temperatures, high pressures, chemically active fluids or a combo of these

Down

- **1.** average number of years a newborn infant can be expected to live
- 3. animal with no backbone
- **4.** total way of life or role of a species in an ecosystem
- **7.** species that normally live and thrive in a particular ecosystem
- **8.** conversion of atmospheric nitrogen gas, by lightning, bacteria and cyanobacteria, into forms useful to plants
- **11.** migration of people into a country to take up permanent residence
- **15.** chemical or form of radiation that causes inheritable changes in the DNA
- **21.** destruction of vegetation when too many grazing animals feed too long on a specific area of pasture or rangeland and exceed the carrying capacity of a rangeland or pasture area
- **23.** any naturally occurring inorganic substance found in the earths crust as a crystalline solid
- **24.** process in which various chemicals in upper layers of soil are dissolved and carried to lower layers and in some cases, to groundwater
- **25.** animal that can use both plants and other animals as food sources
- **26.** zone of the earth's interior between its core and its crust
- 27. cultivation of a single crop
- **29.** layer of soil and rock overlying a mineral deposit. surface mining removes this layer