Oceanography_17x17_2008-10-16

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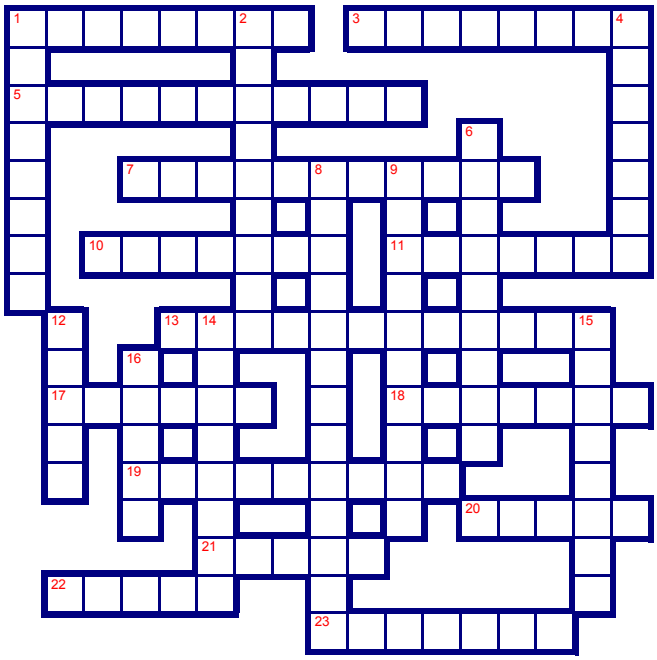

Across

1 A member of the marine mammal group, characterized by four swimming flippers; for example seals and sea lions. (8)

3 Chain of living cells (8)

5 Pertaining to organisms able to manufacture their own food from inorganic substances. (11)

7 Marine segmented worms, some in tubes, some free-swimming. (11)

10 Place where a plant or animal species naturally lives and grows. (7)

11 Primary division of the sea, which includes the whole mass of water subdivided into neritic and oceanic zones; also pertaining to the open sea. (7)

13 Fish living near and on the bottom. (8,4)

17 Deficient in oxygen. (6)

18 Permanently fixed or sedentary; not free-moving. (7)

19 Living or functioning in the absence of oxygen. (9)

20 Marine and freshwater plants (including most seaweeds) that are single-celled, colonial, or multicelled, with chlorophyll but no true roots, stems or leaves and with no flowers or seeds. (5)

21 The full range of biological and physical conditions under which an organism can live and reproduce. (5)

22 Immature juvenile form of an animal. (5)

23 Small, shrimplike members of the zooplankton. (7)

Down

1 Passively drifting or weakly swimming organisms. (8)

2 The organisms in a community and the nonliving environment with which they interact. (9)

4 Relating to nutrition; a ____ level is the position of an organism in a food chain or food (____) pyramid. (7)

6 Semi-transparent, bell-shaped pelagic organism, often with long tenatacles bearing stinging cells. (9)

8 Pertaining to organisms requiring preformed organic compounds for food; unable to manufacture food from inorganic compounds. (13)

9 Planktonic, shrimplike crustacean. (10)

12 Flat, photosynthetic, "leafy" portion of an alga or seaweed. (5)

14 Animals living attached to the sea bottom or moving freely over it. (8)

15 Organ of a benthic alga that attaches the alga to the seafloor. (8)

16 Colonial animal that secretes a hard outer calcareous skeleton; the skeletons of ____ animals form in part the framework for warm-water reefs (5)