Biology Chapter 53

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| **Across**  **2.** Measures human demand on nature  **3.** The defense of a bounded physical space against encroachment  **6.** The study of populations in relation to their environment  **10.** Having one big reproductive opportunity before death  **15.** The relative number of individuals of each age in a population  **18.** Age specific summary of the reproductive rates in a population  **21.** A group of individuals of the same age  **22.** Producing smaller numbers of offspring many times throughout life  **23.** Influx of individuals from other areas  **24.** The study of vital statistics of populations and how they change over time  **25.** A population whose members all have access to abundant food and are free to reproduce to at their physiological capacity will undergo | **Down**  **1.** A group of individuals of a single species living in the same area  **4.** Maximum number of individuals that an environment can support  **5.** A population growth model where the per capita rate of increase approaches 0 as the carrying capacity is reached  **7.** When per capita birth rates and per capita death rates cancel each other out  **8.** The movement towards 0 population growth by low birth rates and low death rates  **9.** A birth of death rate that does not change with population density is said to be  **11.** Traits that affect an organism's schedule of reproduction and survival  **12.** When a number of local populations are linked  **13.** A plot of the proportion or numbers in a cohort still alive at each age  **14.** Movement of individuals out of a population  **16.** A birth or death rate that fluctuates with population density is said to be  **17.** Age specific summaries of the survival pattern of a population  **19.** Pattern of spacing among individuals within a population  **20.** Number of individuals per unit of volume |