Population Growth and Interactions

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| 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 5 |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  | 11 |  |  |  |  |  |  |  |  |  | 12 |  |  |  |  |  |  |  |  |  | 13 |  |  |
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|  |  | 14 |  |  |  |  | 15 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| 18 |  |  |  |  |  |  |  |  |  |  | 19 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  | 21 |  |  |  | 22 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  | 24 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  | 25 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  | 26 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Across**  **1.** results in a S shaped curve  **4.** the number of individual organisms in a given area or volume  **5.** advantage of favourable conditions  **7.** highest possible per capita growth rate for a population  **11.** close relationship b/w different species  **15.** final stage of succession  **16.** advantage of stable environmental conditions  **18.** change in a population size over a specific time frame  **19.** invasion & replacment of species over time  **20.** relationship b/w dogs and ticks  **23.** competition b/w different species  **24.** abiotic factor that limits a habitat's carrying capacity  **25.** maximum population size the environment can sustain  **26.** 1st species to colonize  **27.** combined effects that limit population growth  **28.** camouflage is an ex of | **Down**  **2.** both organisims benefit  **3.** development of species where there's no soil  **6.** biotic factor that limits a habitat capacity  **8.** organism that is killed/consumed  **9.** competiton b/w members of the same species  **10.** change in population size per individual over a given time frame  **12.** regrowth of previously existing species  **13.** results in a J shaped curve  **14.** wildfire is an ex of  **17.** organism that kills/eats others  **21.** living to sustain our needs w/o compromising future generations  **22.** ex is cattle and cattle egrets |