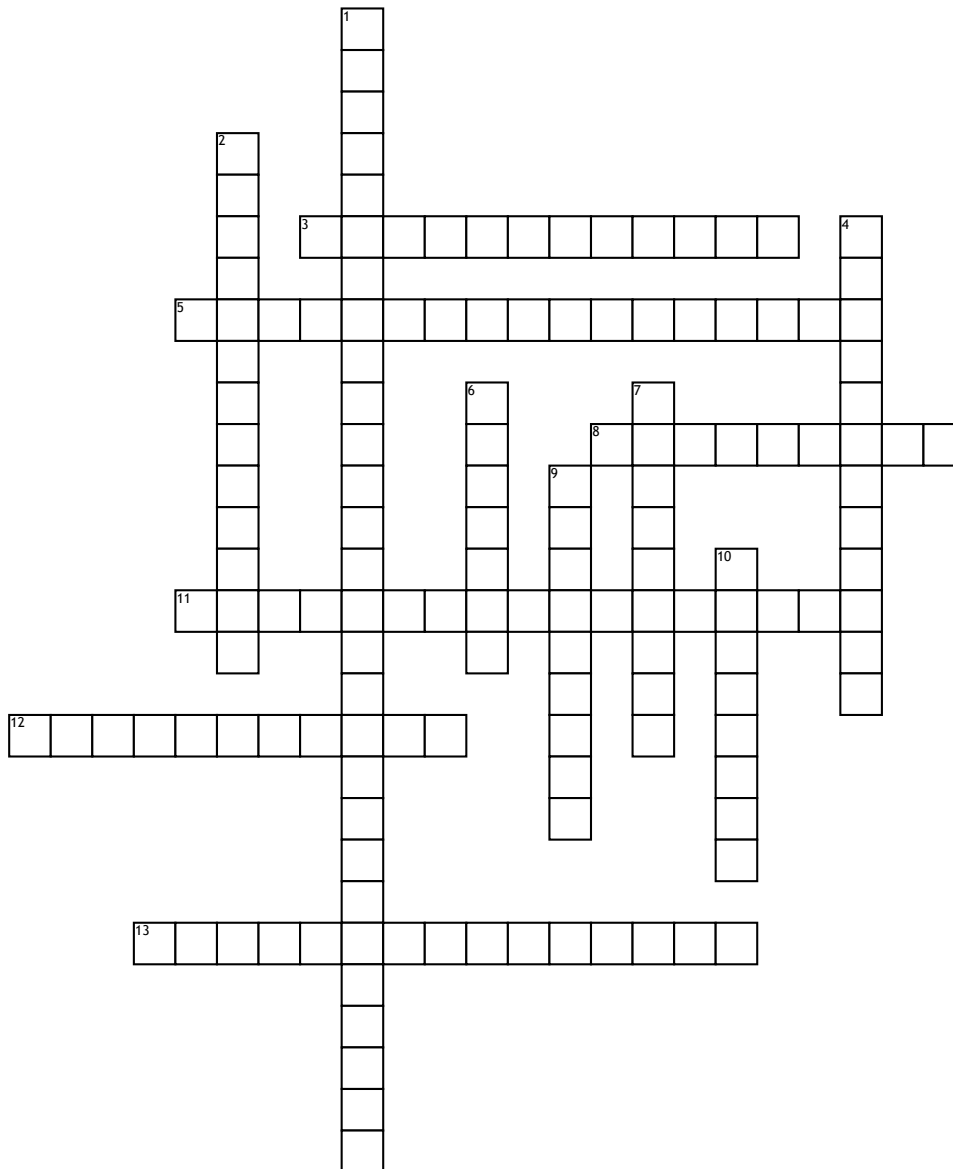


# AP Biology Vocab CH 41



## Across

3. a model of community organization in which predation influences community organization by controlling herbivores which in turn control plants and phytoplankton; this controls nutrient level
5. a species that has a strong effect on its community as a result of its large size, abundance, and crucial role in community dynamics
8. the pathway along which food energy is transferred from trophic level to trophic level
11. the proportional abundance of different species in a community

12. A natural or human-caused event that changes biological communities

13. a species that isn't necessarily abundant in a community yet exerts strong control of the community

## Down

1.  $H = -(p^a \ln p^a + p^b \ln p^b + p^c \ln p^c + \dots)$

2. a model of community organization in which mineral nutrients influence community organizations by controlling plants or phytoplankton.

4. the tendency for characteristics to be more divergent in sympatric populations of two species than in allopatric populations of the same species

6. the interconnected feeding relationships in an ecosystem

7. group of populations of different species living in a close enough proximity to interact

9. a positive/negative ecological interaction in which an organism eats parts of a plant or algae

10. an organism or virus that causes disease