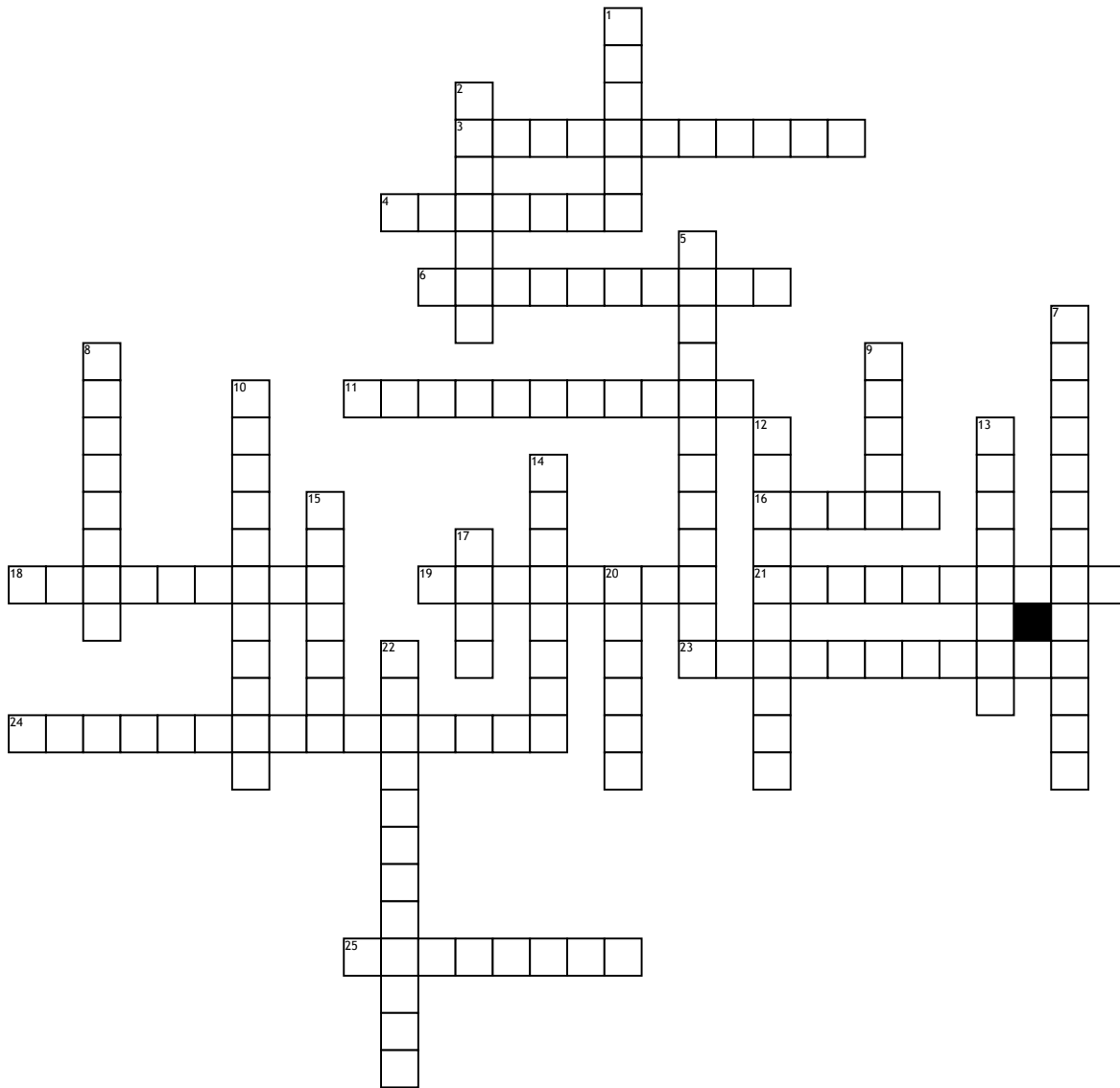


Name: _____

Protist and fungi



Across

3. a vast increase in the concentration of diatoms and other photosynthetic protists
4. the plant like body portion of seaweed
6. the ability to exist in two different forms
11. two individuals join and exchange genetic material stored in small second nucleus
16. autotrophic protists
18. a funguslike protist composed of branching filaments of cells
19. a clear elastic layer of protein that surrounds the cell membrane of a ciliate
21. gametes formed by algae in single-celled gamete chambers
23. Plasmodium cells which enter the bloodstream and infect the liver when a Anopheles mosquito bites that person

24. the production of light by means of a chemical reaction in an organism
25. long, whiplike structures that are made up of microtubules and used for movement

Down

1. cell walls of diatoms that consist of two pieces that fit together like a box and lid
2. a disease characterized by severe chills, headache, fever, and fatigue
5. the smaller type of nuclei in ciliates and participates in the exchange of genetic material during conjugation
7. when a single protist cell divides into two cells
8. single-celled or simple multi-cellular eukaryotic organisms that generally do not fit in any other kingdom
9. short, hairlike cytoplasmic projections that line the cell membrane
10. large, rounded cytoplasmic extensions that function both in movement and feeding

12. a funnel-like depression in the pellicle
13. an important polysaccharide from the source of Alginic acid
14. a pore that contracts and expels undigested material
15. when water turns brownish red because of the population of species explodes
17. protective covering or shell
20. a polysaccharide that also makes up the cell walls of hyphae and the exoskeleton of insects, crustaceans, and other arthropods
22. the large nuclei of a ciliate that contains multiple copies of DNA that direct the cell's metabolism and development