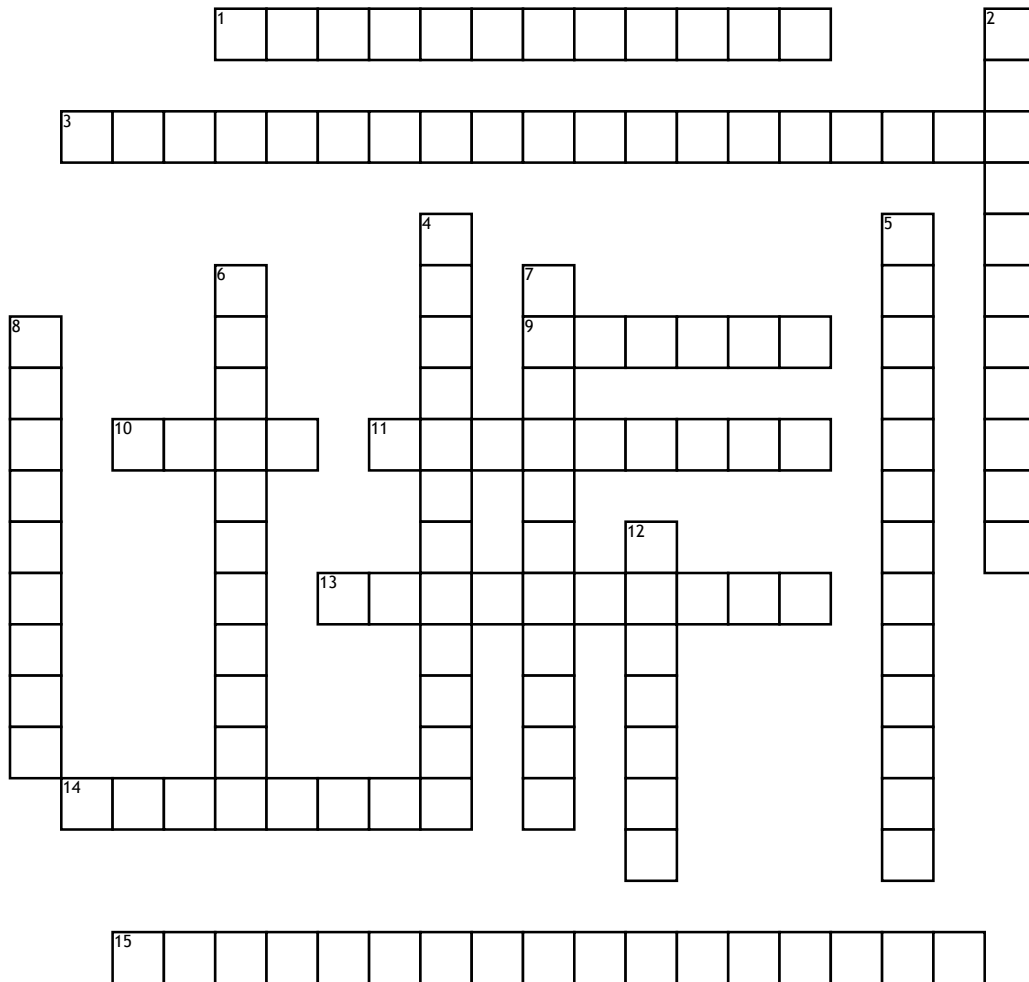


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# fish



## Across

1. aid digestion
3. sensory organs in sharks that detect electrical currents
9. In cartilaginous fishes undigested material exits through the anus, or the
10. a toxic compound that results from the breakdown of proteins
11. When individuals are females first and then develop into males this is known as
13. a series of pores and canals lined with cells \_\_\_\_\_ that are specialized to detect vibrations

14. diffusion of oxygen and carbon dioxide takes place along the capillaries located in the..

15. located behind the gills, that pumps blood throughout the body.

## Down

2. The intestines of cartilaginous fishes and a few primitive bony fishes contain a spiraling portion, which increases the internal surface area of the intestine is called the
4. to prevent dehydration they..
5. These spherical structures found in the nasal cavity is used for detecting particular chemical compounds in the water

6. What is the sensory line can detect vibrations in the water and can be found on both sharks and bony fishes?

7. The study of the classification and the biology of fishes is known as

8. When individuals are males first and develop into females later in life this is known as

12. whisker-like organs near the mouth of many bottom feeders such as marine catfishes

## Word Bank

pyloric caeca  
protogyny  
urea  
olfactory sacs

cloaca  
lamellae  
Ichthyology  
lateral line

barbels  
osmoregulate  
ampullae of Lorenzini  
neuromasts

protandry  
two-chambered heart  
spiracle