

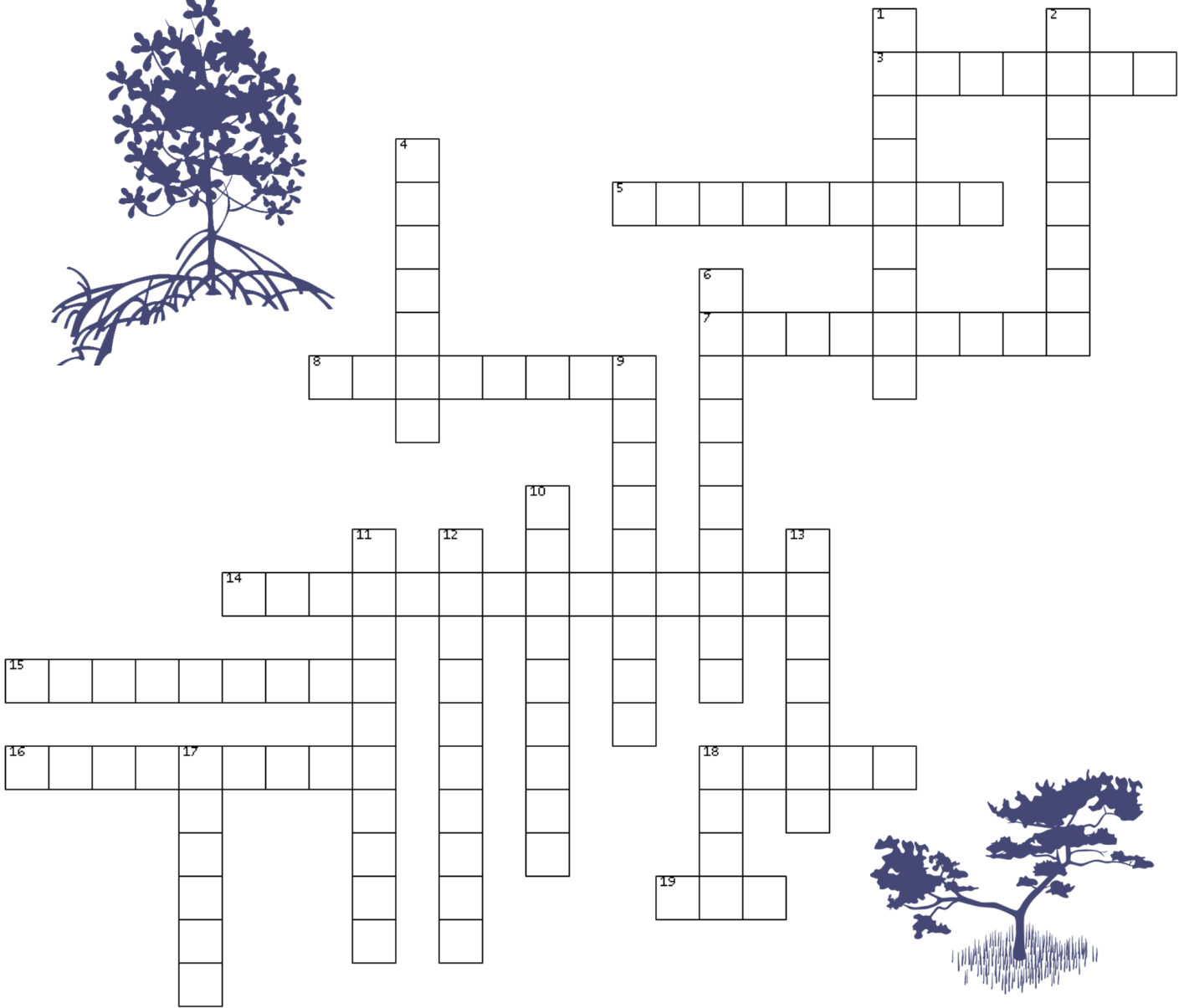
# MAGNIFICENT MANGROVES

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

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

## WHAT DO YOU KNOW ABOUT MANGROVES?

DIRECTIONS: USE THE CLUES TO FILL IN THE CROSSWORD PUZZLE, WORDS CAN GO ACROSS OR DOWN. LETTERS ARE SHARED WHEN THE WORDS INTERSECT.



### USE THE WORD BANK BELOW TO FILL IN THE CROSSWORD PUZZLE

- |                |          |            |            |
|----------------|----------|------------|------------|
| Estuary        | Detritus | Three      | Brazilian  |
| Pneumatophores | Rookery  | Accretion  | Endangered |
| Halophyte      | Brackish | Succulent  | Tide       |
| Propagule      | Eighty   | Red        | Mutualism  |
| Nectaries      | Coastal  | Buttonwood | Parasitism |

# MAGNIFICENT MANGROVES

## CROSSWORD PUZZLE CLUES

### ACROSS

3. The name of a shared breeding area that some coastal breeding birds form, often on mangrove islands.
5. This relationship between organisms is sometimes called symbiosis and is when both organisms have a benefit. Think pollination.
7. The name of the two large glands located near the base of the white mangrove leaf that secretes sugars.
8. Term for water that is neither fresh nor full strength seawater.
14. Name of the snorkel-like structures that black mangroves produce to get oxygen down to their roots.
15. A term used to describe fleshy plants with leather skin that can engorge themselves with water and commonly found in dry transitional coastal habitats.
16. The opposite of erosion, mangroves help perform this process by trapping sand, rocks, mud, and shell using their root systems. Mangroves can also add to the accumulating soils below by adding fallen leaves and sticks.
18. There are \_\_\_\_\_ species of mangroves found in Florida.
19. This species of mangrove is which often found closest to the water is sometimes called the walking tree due to easy to spot prop roots that provide extra support for the tree.

### DOWN

1. This species of pepper tree was brought to the United States in the 1800's for people's yards and is now a threat to native plants like the mangrove by out-competing for resources and space.
2. Decomposing plant and animal matter that is the base of the estuary food web.
4. \_\_\_\_\_ squeeze prevents habitats from naturally moving inland as sea level rises. This is caused by buildings and other development that back up to near the water.
6. The American crocodile, the Florida panther, and the smalltooth sawfish are three of a few species that have this classification of protection and use mangroves as important habitat. \_\_\_\_\_ species.
9. \_\_\_\_\_ is a term for a plant adapted for living in salty conditions.
10. A sprouted seedling that forms on the parent mangrove. Most easily noticed are the red mangroves cigar-shaped these which are about the length of a pencil.
11. This tree is sometimes called the fourth mangrove species as its often found close to mangroves but lacks the adaptations that all true mangrove species have.
12. This relationship between organisms occurs when one species benefits while the other is harmed. Think mosquito.
13. A nearshore environment where saltwater and freshwater meet.
17. Over \_\_\_\_\_ percent of marine organisms in the Gulf rely on mangroves during some point of their lives.
18. This daily movement of water in and out of the estuary connects coastal and offshore environments by moving nutrients and organisms.