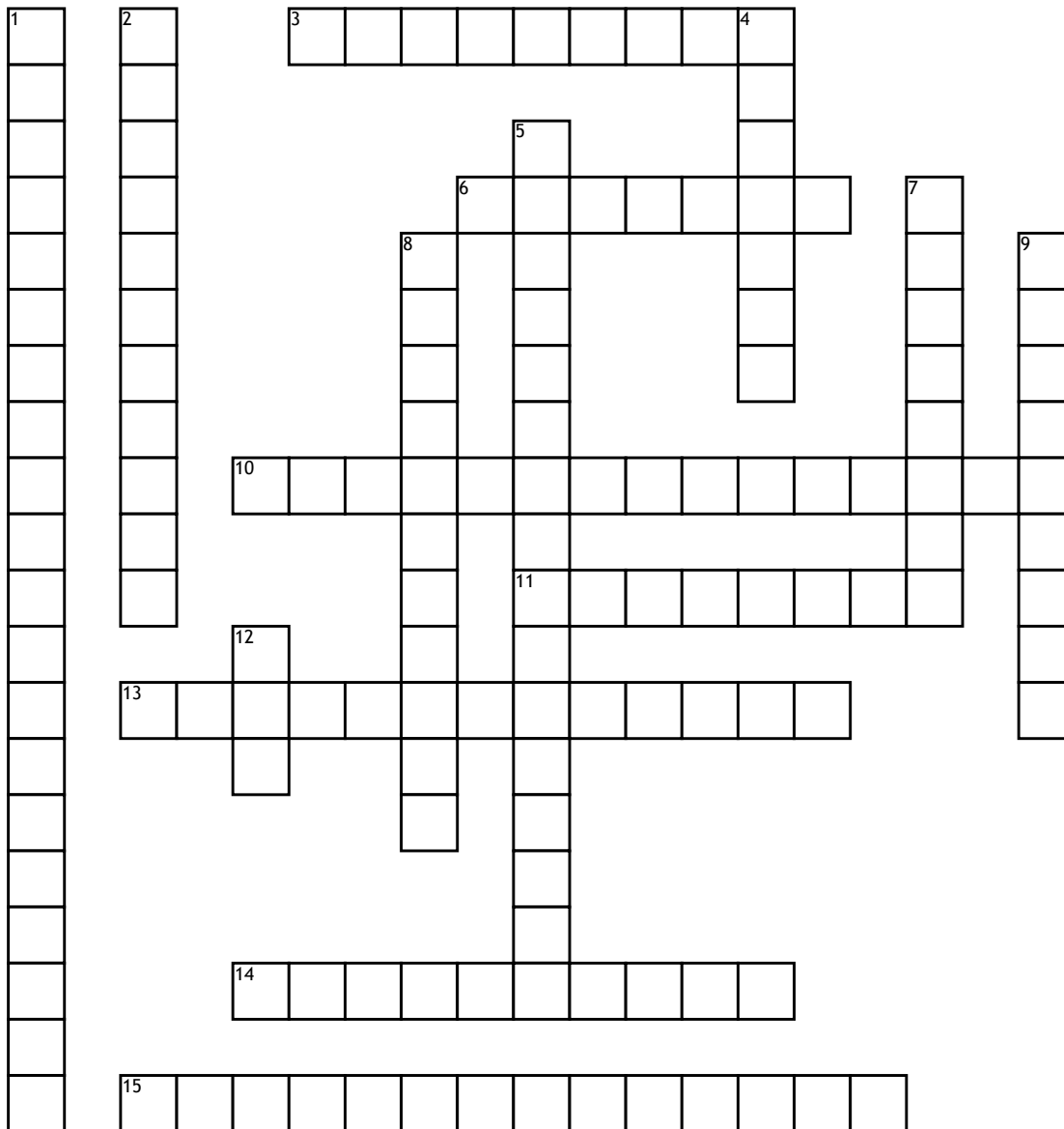


Name: \_\_\_\_\_

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

# cells and membranes



## Across

3. movement of a substance down its concentration gradient

6. large storage sac in plants

10. This type of movement across a membrane requires energy

11. protein syhthesis occurs here

13. produces ATP for cell

14. a solution that is more salty outside the cell than inside the cell

15. modifies proteins and releases things in vesicles

## Down

1. this type of transport invovles a protein in the membrane but no energy

2. this is why plant leaves are green (has 3 membranes)

4. control center of the cell

5. this type of transport requires no energy

7. breaks down macromolecules no longer needed in the cell

8. meaning a molecule has a hydrophobic area and hydrophilic area

9. this type of solution will make the cell lyse

12. important energy molecule in the cell