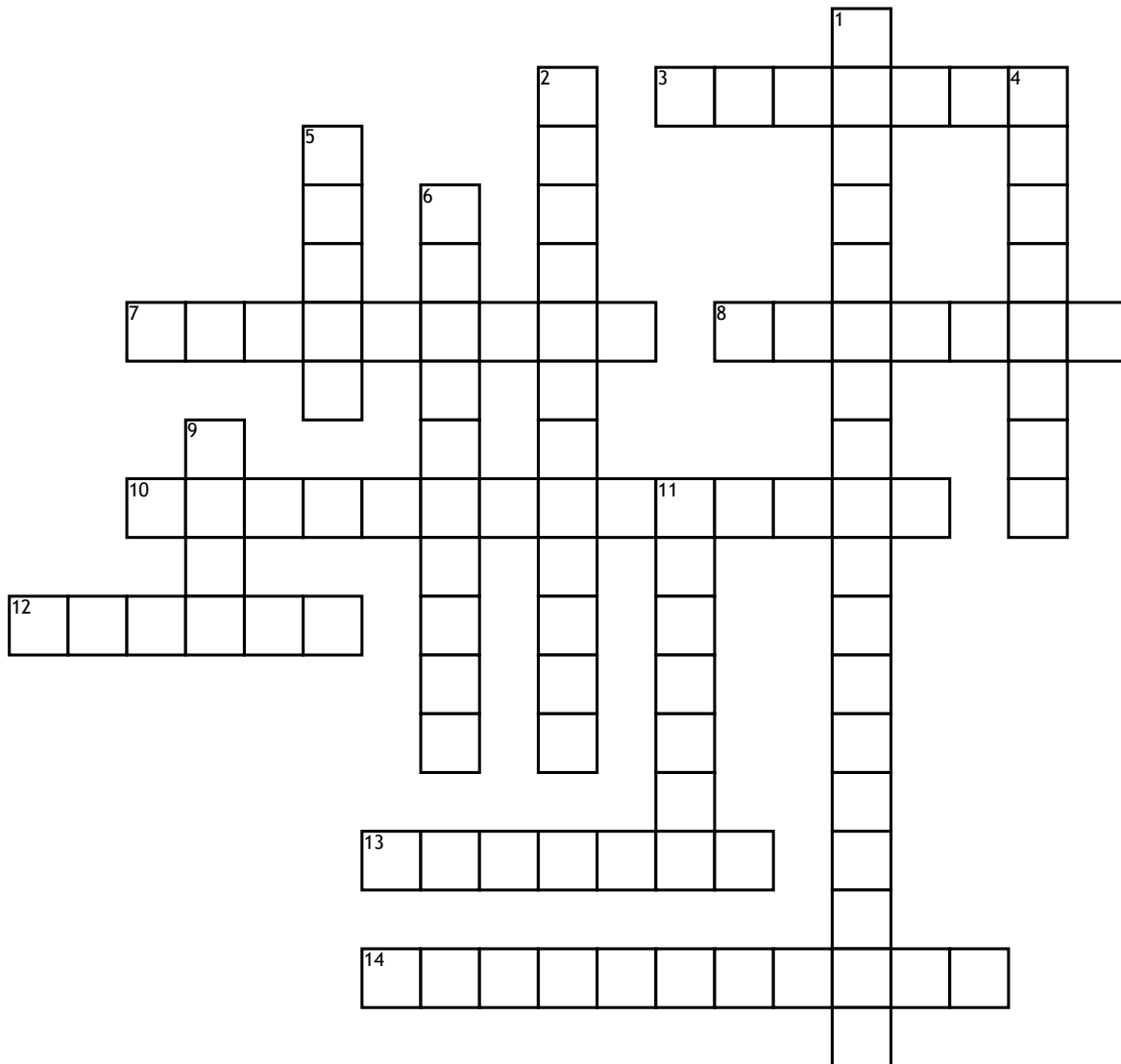


Macromolecules and Carbohydrates



Across

3. A type of branch that cannot form branches
 7. Mammals use this monosaccharide in milk, to give energy to their offspring
 8. Prouts theory identified the simplist single unti from which all molecules were made
 10. Ernst Rutherford's 1911 theory

12. A covalent bond does this with atoms

13. The enzyme which convert lactose to its monosaccharides

14. We are all this type of lifeform

Down

1. PET scanning utilizes a radioisotope tracer that is an analog to glucose, called what?

2. An ionic bond does this with atoms

4. The atomic particle which surrounds the nucleus of the atom

5. Water has which type of covalent bond

6. PET detects what within body tissues

9. The number of covalent bonds that carbon can have
 11. alpha and beta glucose are what of each other