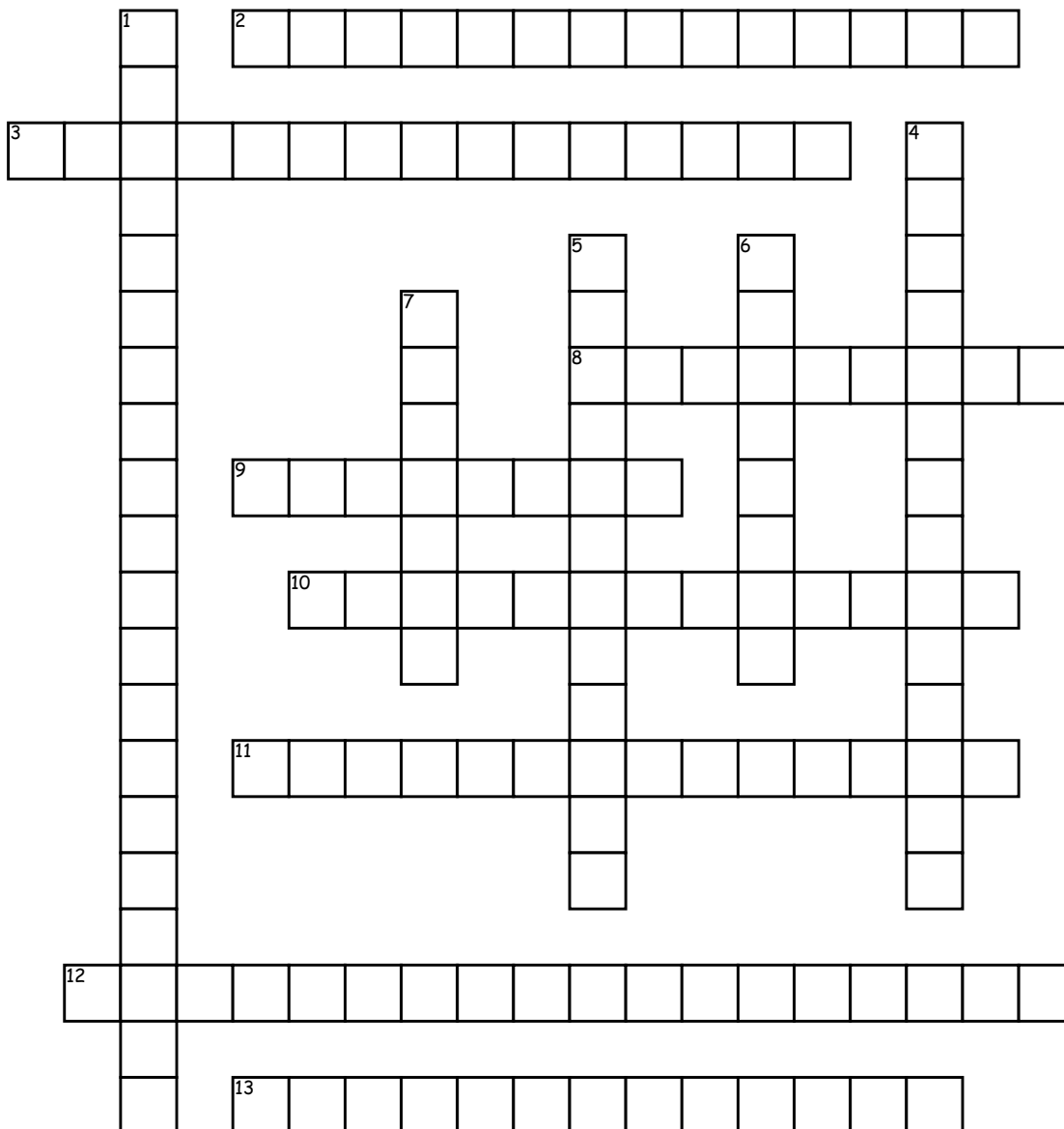


Principles of carbohydrates



Across

- 2. Glucose is a simple sugar or _____ that consists of a single ring-shaped structure
- 3. The polymers of sugar monomers are called _____?
- 8. _____ is a polysaccharides composed of glucose monomers that plays a structural role in plant cell walls.
- 9. The simplest carbohydrates are composed of carbon, _____ and oxygen.
- 10. _____ are composed of two individual sugar monomers.

- 11. _____ are rich in structural polysacchrides.
- 12. Plants use tough polysacchrides in the cell walls as a _____?
- 13. Sugars or _____ are the major source of energy for cellular processes and play structural roles in cells.

Down

- 1. The external skeletons of insects, spiders, and lobsters are composed of the _____ and the walls that surround _____
- 4. _____ are large organic molecules made of subunits.

- 5. Living organisms have carbohydrates, proteins, lipids and _____.
- 6. If you join many individual monomers together it produces _____.
- 7. _____ is a disaccharide composed of glucose and fructose, a sugar found in fruits.