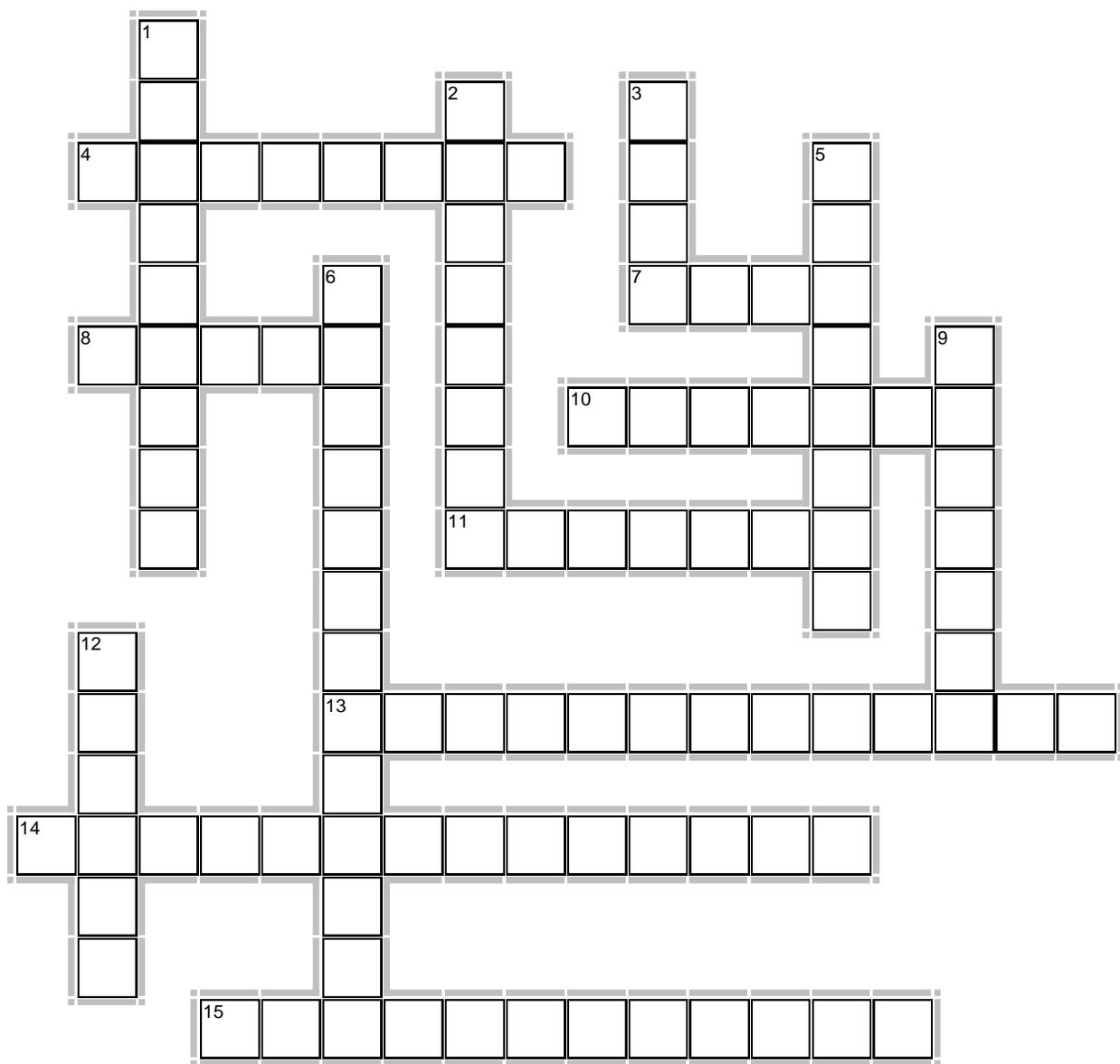


Carbohydrates Worksheet



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Across

4. The storage polysaccharide found in animals containing alpha (1→4) and alpha (1→6) glycosidic bonds.
7. Another name for a sugar that has undergone oxidation is sugar ____.
8. The anomer formed with the hydroxyl on the anomeric carbon is trans to carbon 6.
10. A polysaccharide in starch that contains only alpha (1→4) glycosidic bonds.
11. The most abundant and well known monosaccharide.
13. Molecules that are stereoisomers, but not mirror images.
14. Simply carbohydrates that cannot be hydrolyzed into smaller sugars.
15. Upon hydrolysis of a _____, two monosaccharides are formed.

Down

1. Composed of hundreds or thousands of glucose units joined by beta (1->4) glycosidic linkages.
2. When a sugar displays a positive result in the Benedict's test, the sugar is classified as a ____ sugar.
3. The anomer present when the hydroxyl on the anomeric carbon is cis to carbon 6.
5. When ____ is added to a sugar, it is reduced to a sugar alcohol.
6. _____ are often referred to as sugars.
9. The name of monosaccharides containing a total of five carbon atoms.
12. The name of monosaccharides containing the ketone and alcohol functional groups.

Answers

