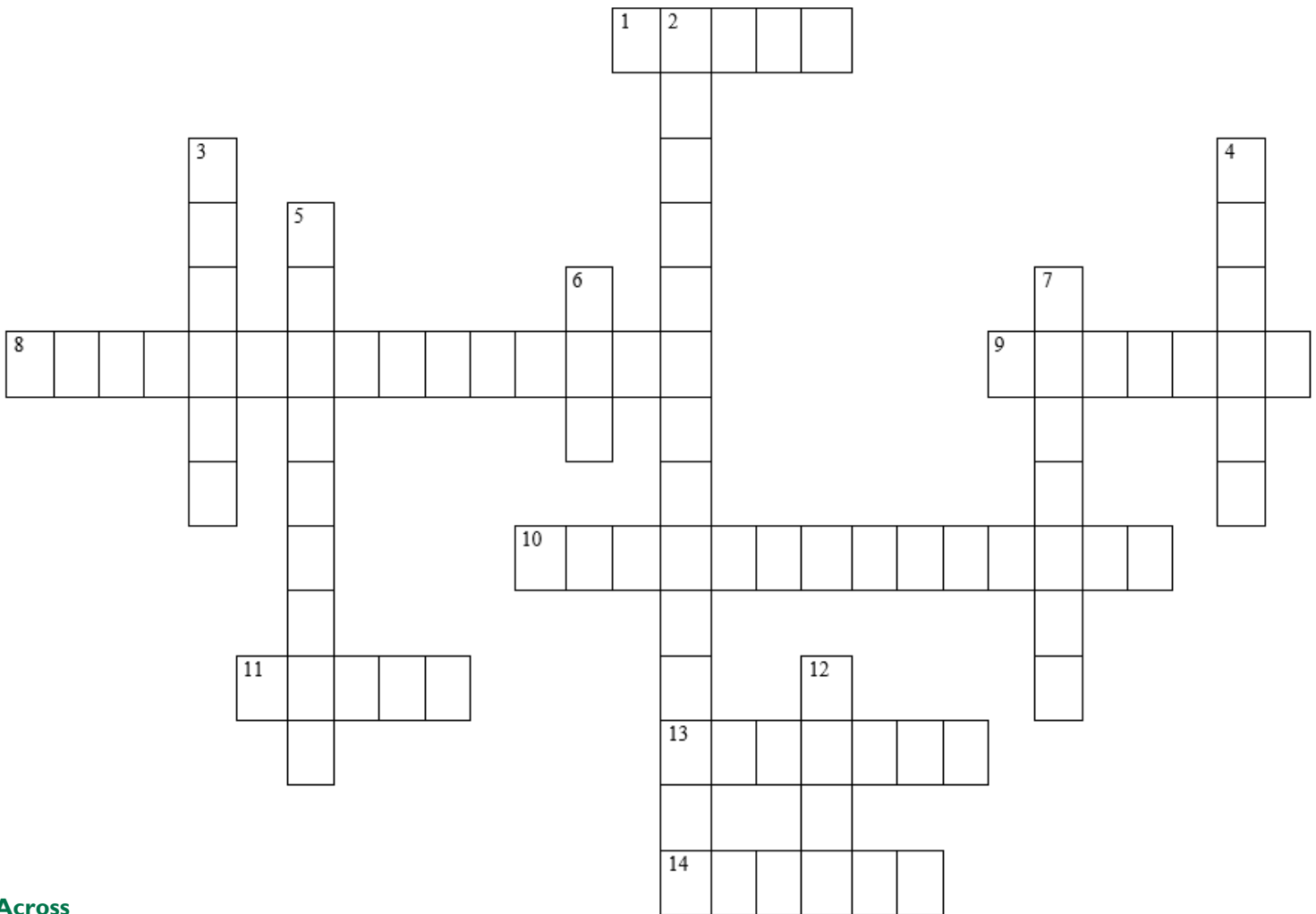


Maple Syrup: The Science of Syrup

Crossword Puzzle

Grades
4 – 5



Across

1. a small wooden or metal spout that allows sap to drip into a bucket
8. the first people that lived in America and discovered maple syrup
9. the pipeline that carries the water and nutrients from the roots up to the leaves, as new layers develop the inner layers die and become heartwood
10. maintaining a responsible rate or level of a natural resource to avoid using it all up
11. a birch bark container
13. winged seeds of the maple tree
14. type of sled with runners instead of wheels for moving items across snow or muddy ground

Down

2. the process by which green plants use energy from the sun to convert CO₂ from the atmosphere and H₂O from the soil into sugar and oxygen
3. the main organs of photosynthesis, have five points on a maple tree
4. the pipeline that carries the sugars from the leaves down to the rest of the tree and roots
5. the dense inner center part of the tree which gives it strength
6. the fluid, mostly made of water with dissolved sugars and minerals that circulates in the maple tree
7. the growing part of the trunk
12. drill tool used to make a hole in the trunk of a tree



Forest Preserve District
of DuPage County

dupageforest.org/things-to-do/school-programs