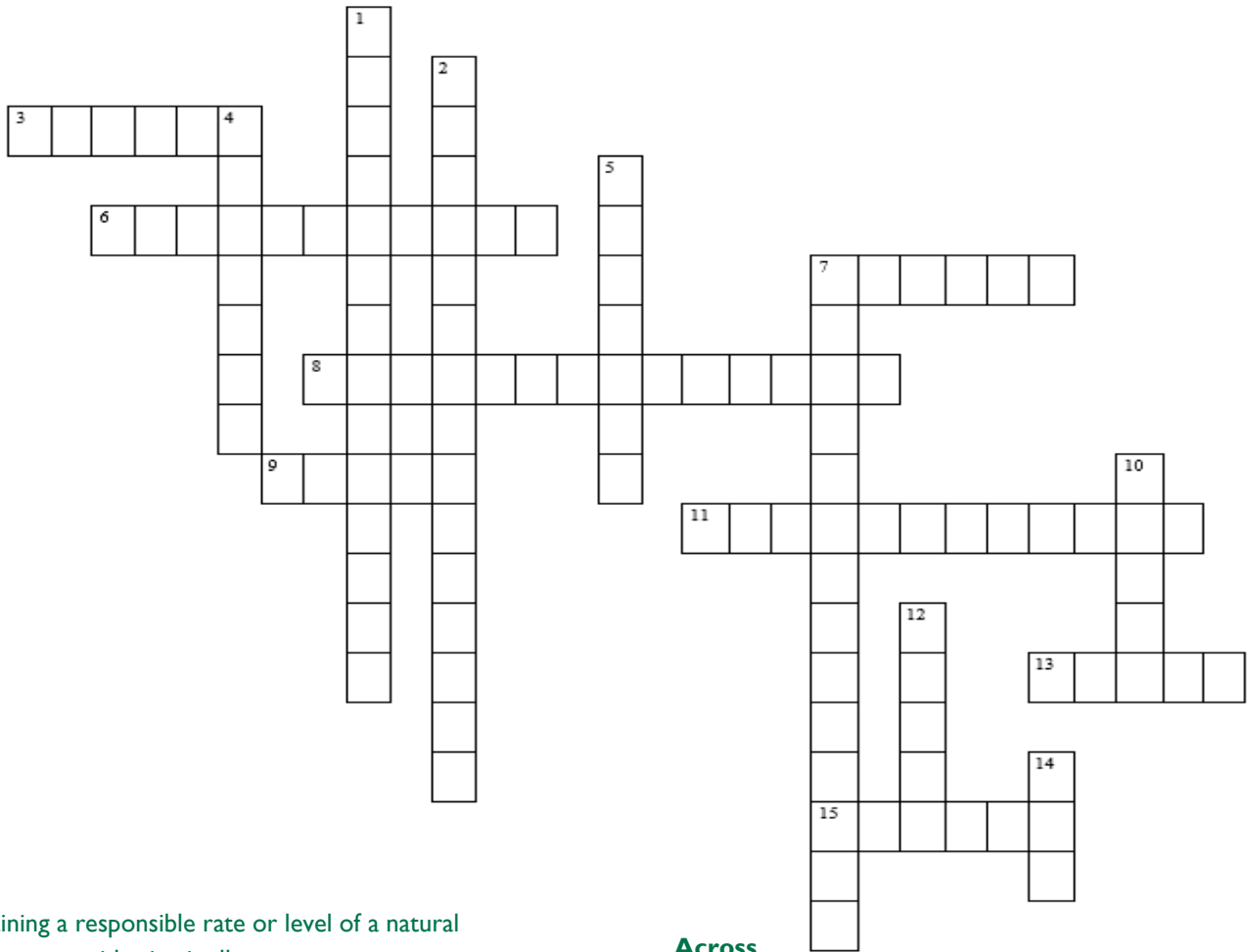


Crossword Puzzle



Down

1. maintaining a responsible rate or level of a natural resource to avoid using it all up
2. the first people that lived in America and discovered maple syrup
4. 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
5. the growing part of the trunk
7. 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
10. energy from the sun used to power technology that helps maple producers monitor their sap collection systems
12. the gaseous form of water
14. the fluid, comprised of 98-99% water with dissolved sugars and minerals that circulates in the maple tree and is the raw material in maple syrup production

Across

3. the main organs of photosynthesis, have five points on a maple tree
6. the process of a liquid being heated and converted into a gas
7. the pipeline that carries the sugars from the leaves down to the rest of the tree and roots
8. the process of sugars cooking and darkening, increases the sweetness
9. a small wooden or metal spout that allows sap to drip into a bucket
11. the act of protecting habitat, an added value of the maple syrup industry
13. the product of evaporating water from sap, making it much stickier and sweeter
15. winged seeds of the maple tree

