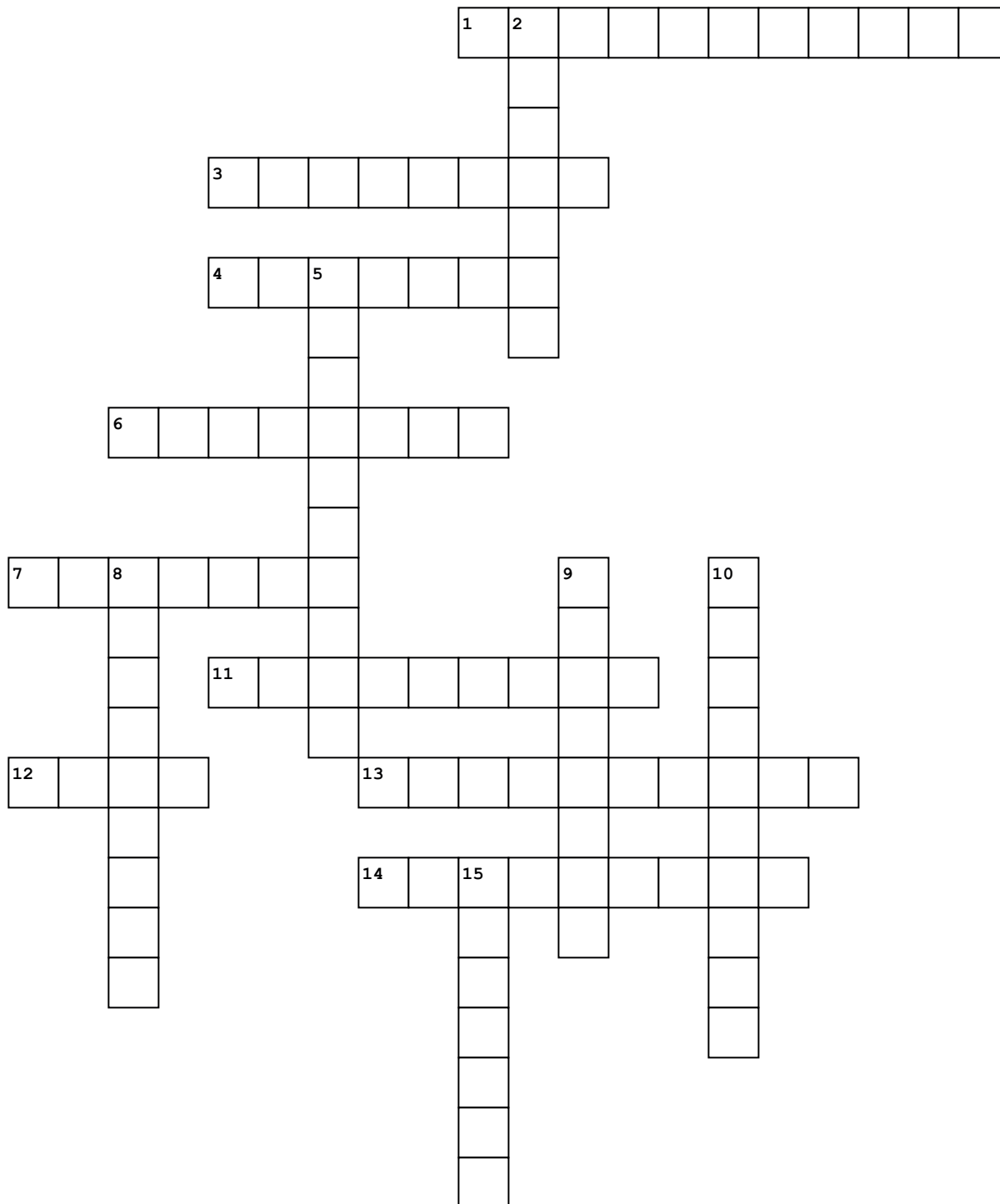


The Alconox Inc. National Crossword Puzzle Day Puzzle 2023



Across

1. The process of forming a layer of chromium oxide on the surface of stainless steel to assist protection
3. Liquid concentrate general cleaner and emulsifier

Down

2. Powdered detergent for cup-in-door style lab washers

- 4.** A small tube-like container with straight sides and a circular or square cross-section found in many types of labs
- 6.** Level of cleaning where the cleaning itself impacts the value of the finished output from whatever residue/contaminant is being cleaned
- 7.** A surfactant-free detergent that is ideal for cleaning sensitive plastics such as polycarbonate, often found in medical devices
- 11.** An additive in detergents to soften hard water and assist in chelation
- 12.** A cleaning mechanism where a part or instrument is submerged in a cleaning solution
- 13.** A chemical compound that decreases the surface tension or interfacial tension between two liquids
- 14.** The deterioration of a metal or its properties because of a reaction with its environment
- 5.** The documented evidence which provides a high degree of assurance to a desired result with predetermined compliance
- 8.** The recommended detergent for cleaning tissue culture flasks and other surfaces with biologic residues
- 9.** Instead of using strong acids to clean persistent inorganics, use this detergent
- 10.** Cleaning device using vibrations at set frequencies
- 15.** Following cleaning, displacing soiled washing solution with water