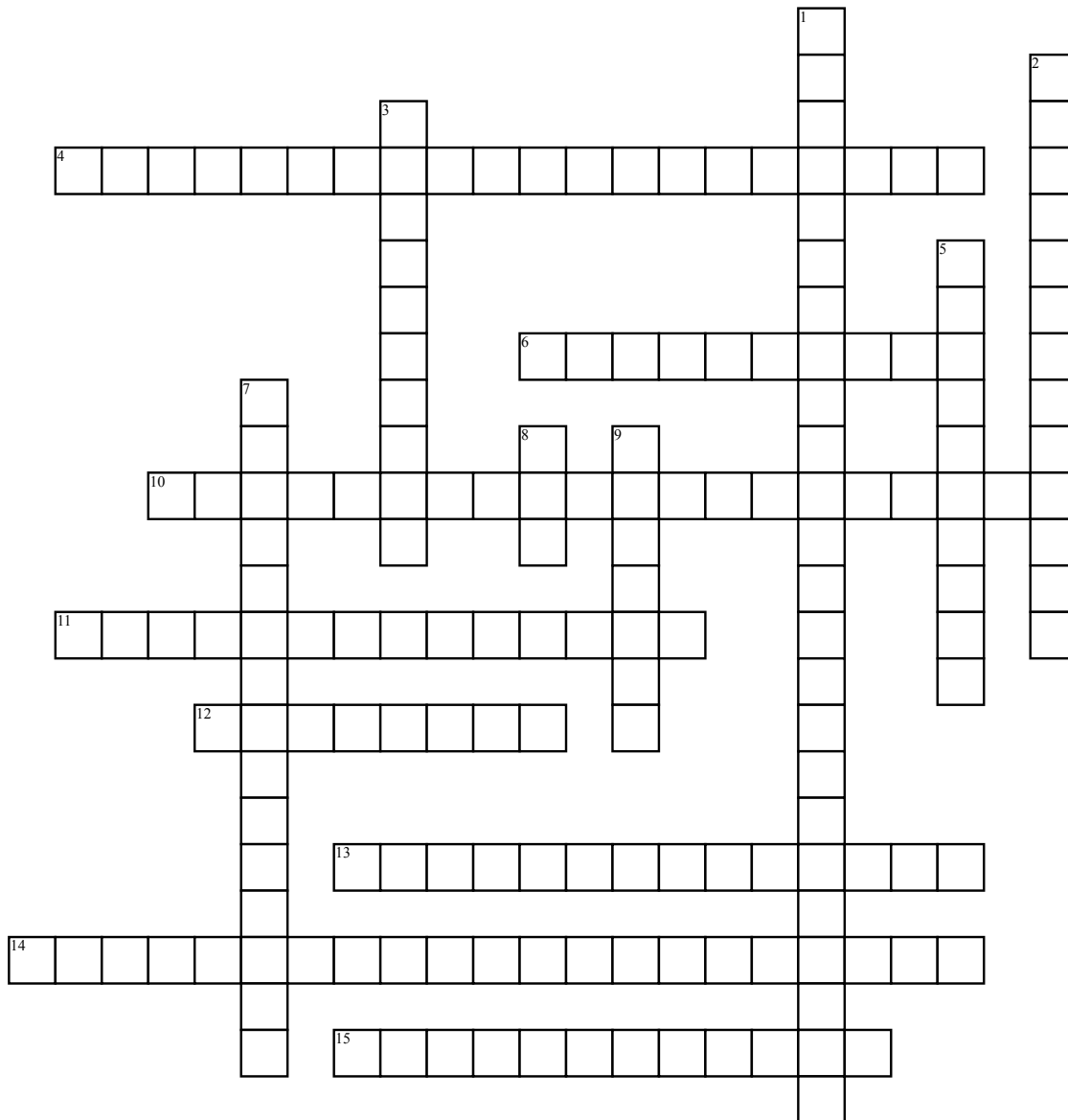


manufacturing



Across

- 4.** A single product produced in a continuous flow. Runs 24/7
- 6.** A mechanical device that functions automatically without continuous input from an operator
- 10.** Components that are identical so that they will fit into any assembly of the same type.
- 11.** Large number of a product made, usually on an assembly line.
- 12.** Use of computer-controlled machines to perform specific manual tasks, especially on an assembly line
- 13.** A system for verifying and maintaining a desired level of quality in a product

14. Technologies that build 3D objects by adding layer-upon-layer of material
Ex. 3D printing

15. A series of workers and machines in a factory by which a succession of identical items is progressively assembled.

Down

1. Process where objects are constructed based on removal from a solid block of material. Ex. CNC milling
CNC

2. Plastics that can be remelted back into a liquid without changing its physical properties. Ex. Polyethylene Terephthalate (PET) (Plastic bottles)

3. A process whose limited capacity reduces the capacity of the whole manufacturing process

5. Metal not containing iron. Used for their low weight, higher conductivity, non-magnetic properties, or resistance to corrosion. Ex. Aluminum, copper, or brass

7. A small quantity of the product is made. Production is flexible. Ex. Ice Cream Custom

8. Computer Numerical Control Use of computers to control machines

9. Metal containing iron. Magnetic. Ex. Steel