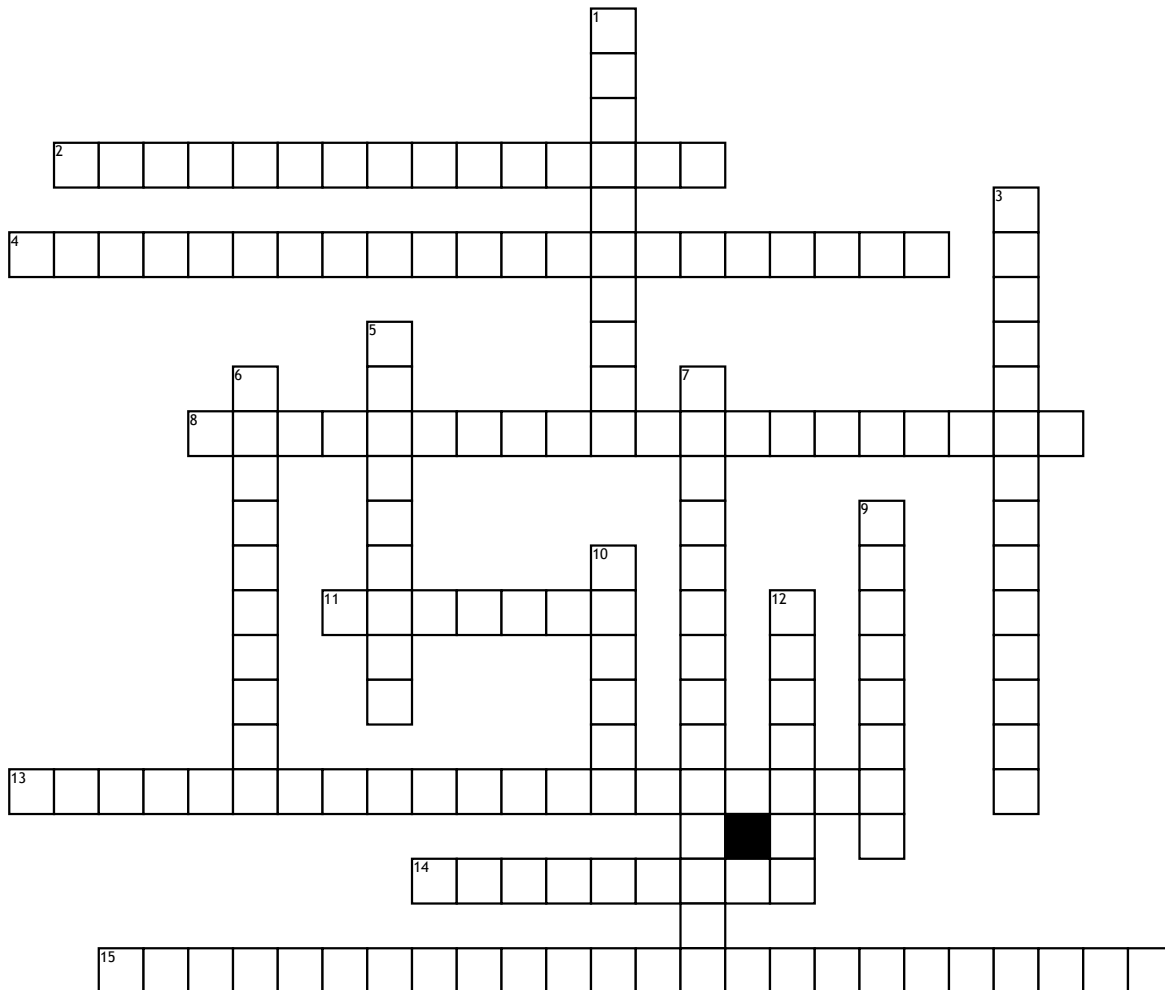


Manufacturing Skills



Across

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

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

8. Components that are identical so that they will fit into any assembly of the same type.

11. A tool that holds a workpiece in place

13. A single product produced in a continuous flow. Runs 24/7

14. Safety glasses Ear protection Close-toed shoes Long hair tied back You should wear these things in the shop To shape a material by forcing it through a die Ex. Bubble gum, licorice, plastic straws, wire

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

Down

1. Manufacturing a material in multiple layers, so that the composite material achieves improved strength

3. A system for verifying and maintaining a desired level of quality in a product

5. Specific, measurable abilities that you would need to qualify for a job Ex. Typing speed, math skills

6. Improvement or modification of an idea

7. Large number of a product made, usually on an assembly line.

9. Placing flat sheet material into a stamping press where a tool and die presses the material into a new shape

10. Desire of buyers to obtain a product or service

12. When a liquid material is poured into a mold, which contains a hollow cavity of the desired shape, and then allowed to solidify.