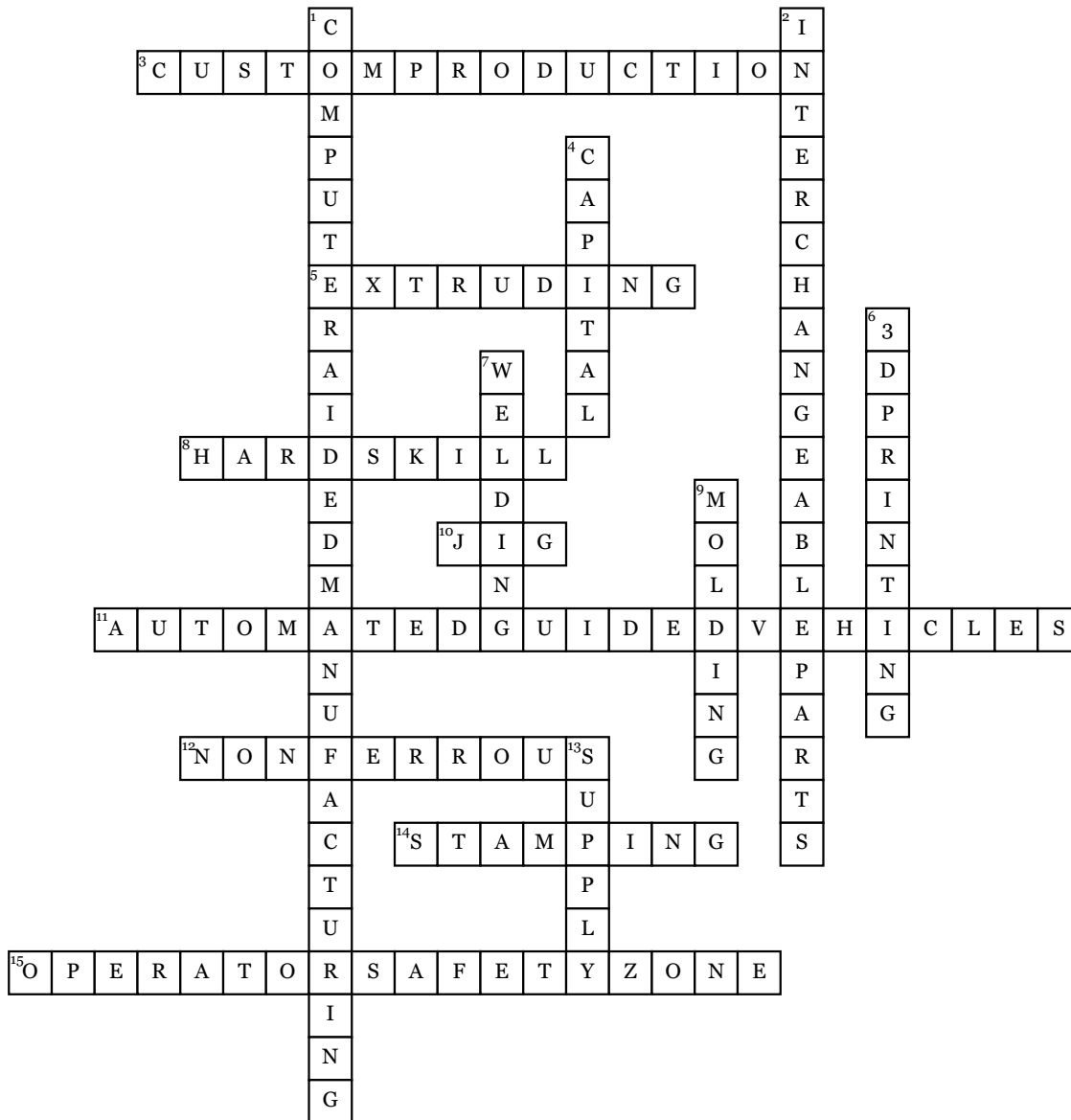


Manufacturing Worksheet



Across

3. Very specific products that are made to order. Very expensive form of production.

5. To shape a material by forcing it through a die

8. Specific, measurable abilities that you would need to qualify for a job

10. A tool that moves with a workpiece through a machine in order to provide repeatability and accuracy in the manufacturing of products

Down

11. Mobile robot that follows markers or wires in the floor, or uses vision, magnets, or lasers for navigation

12. Metal not containing iron.

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

15. Stay 3 feet or arm's length away from machines in use. Only operator and instructor are allowed in this zone.

Down

1. The use of software to control machine tools in the manufacturing process

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

4. Land, equipment, and money used to start or maintain a business

6. Example of Additive Manufacturing

7. A joining process that melts the base metal and adds a filler material which then cools and forms a strong joint

9. Shaping pliable raw material using a rigid frame

13. Amount of a commodity, product, or service available