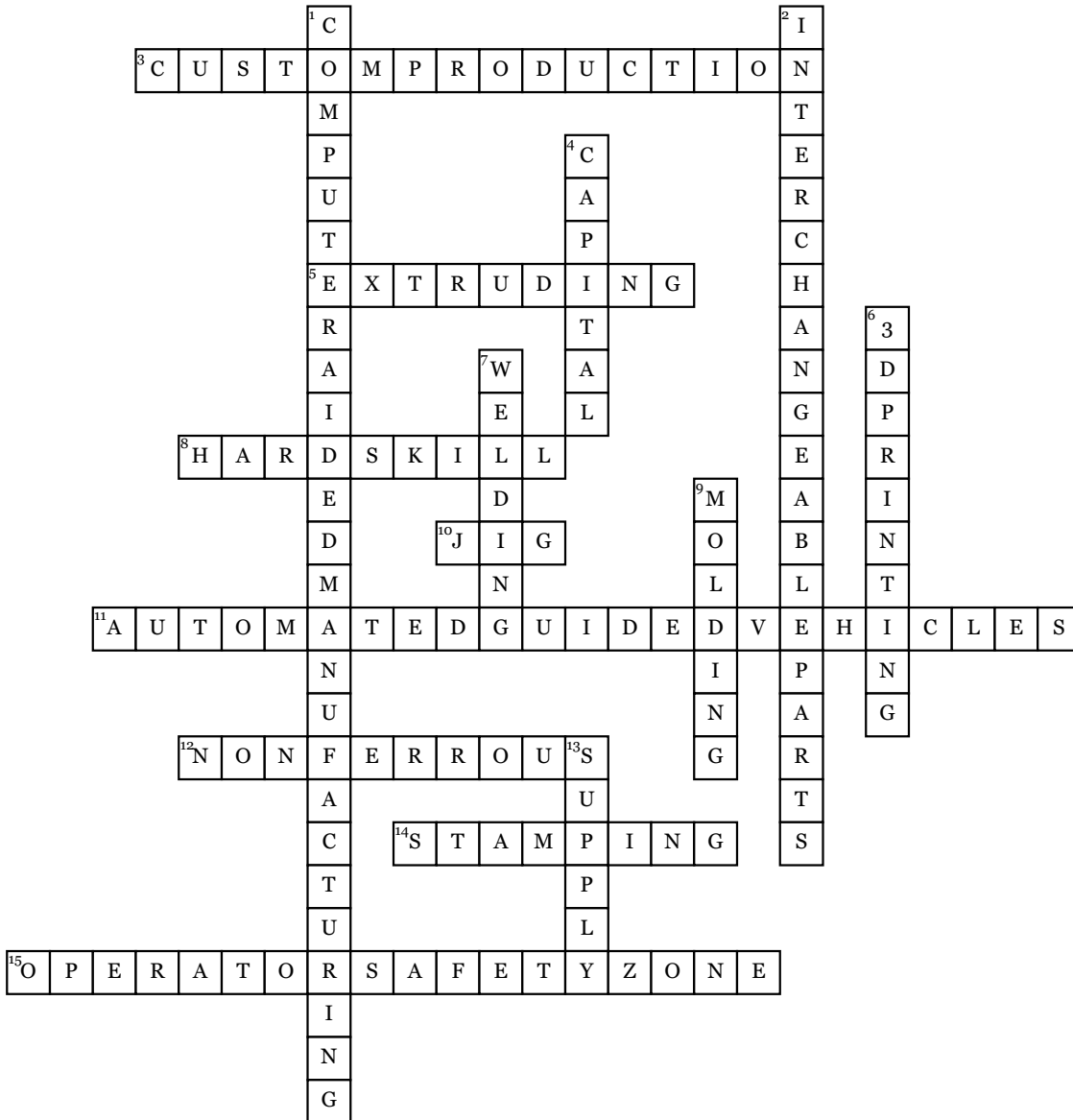


Manufacturing Worksheet



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

- 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