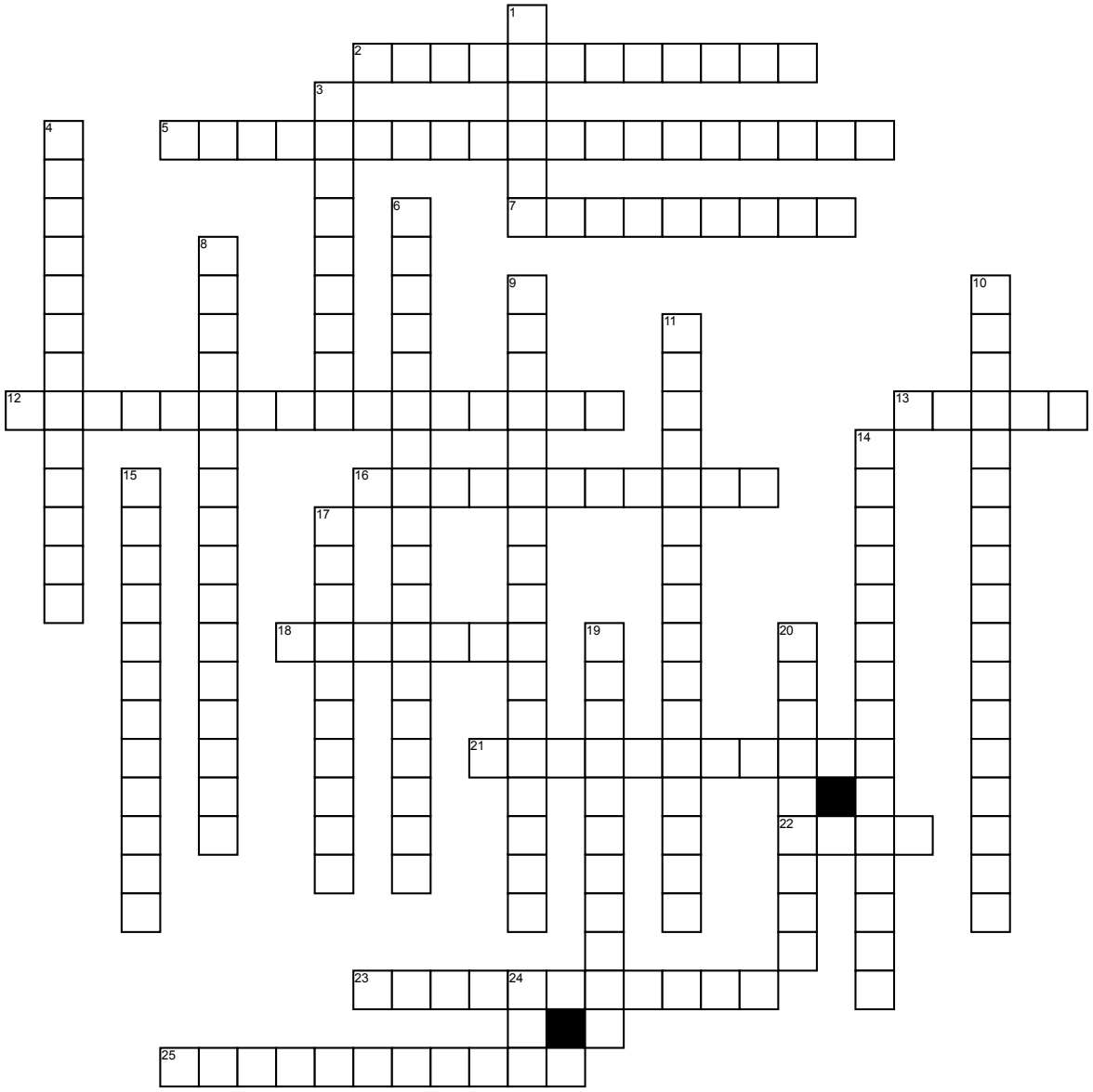
Name: _____ Date: _____

IED Unit 7 Key Terms



Across

2. Thin lines used in a section view to indicate where the cutting plane line has cut through material.

5. A tolerance in which variation is permitted in only one direction from the specified dimension.

7. The acceptable amount of dimensional variation that will still allow an object to function correctly..

12. A section of an object broken away to reveal an interior feature for a sectional drawing.

13. An outside radius applied to corners.

16. A drawing that contains all the information for making one part of the design.

18. A circle with a single number connected to an assembly component with a leader line to refer to parts.

21. A cylindrical recess around a hole, usually to receive a bolt head or nut

22. A private, non-profit organization that coordinates the development and use of a voluntary consensus standards in the United States

23. A view that is used to show details not apparent on the exterior of the part.

25. A sectional drawing based on a cutting plane line that cuts through one-quarter of an object. A half section reveals half of the interior and half of the exterior

Down

1. An inside radius between two intersecting planes

3. A list of materials or parts specified for a project. Also referred to as a bill of materials or BOM

4. A view that is used to show features that are located on an inclined surface in true size and shape.

6. A tolerance in which variation is permitted in both directions from the specified dimension.

8. A system of dimensioning which requires all numerals, figures, and notes to be aligned with the dimension lines

9. Also known as point-to-point dimensioning where dimensions are established from one point to the next.

10. A dimensioning system where each dimension originates from a common surface, plane, or axis. Also known as baseline dimensioning.

11. A line drawn on a view where a cut was made in order to define the location of the imaginary section plane

14. The largest and smallest possible boundaries to which a feature may be made as related to the tolerance of the dimension.

15. Limits the size of mating parts so that a clearance always results when mating parts are assembled.

17. A view that is used to show a magnified view of features that are too small to adequately specify in another view.

19. A conical-shaped recess around a hole, often used to receive a tapered screw.

20. The tightest possible fit between two mating parts.

24. This is a worldwide organization that creates engineering standards.