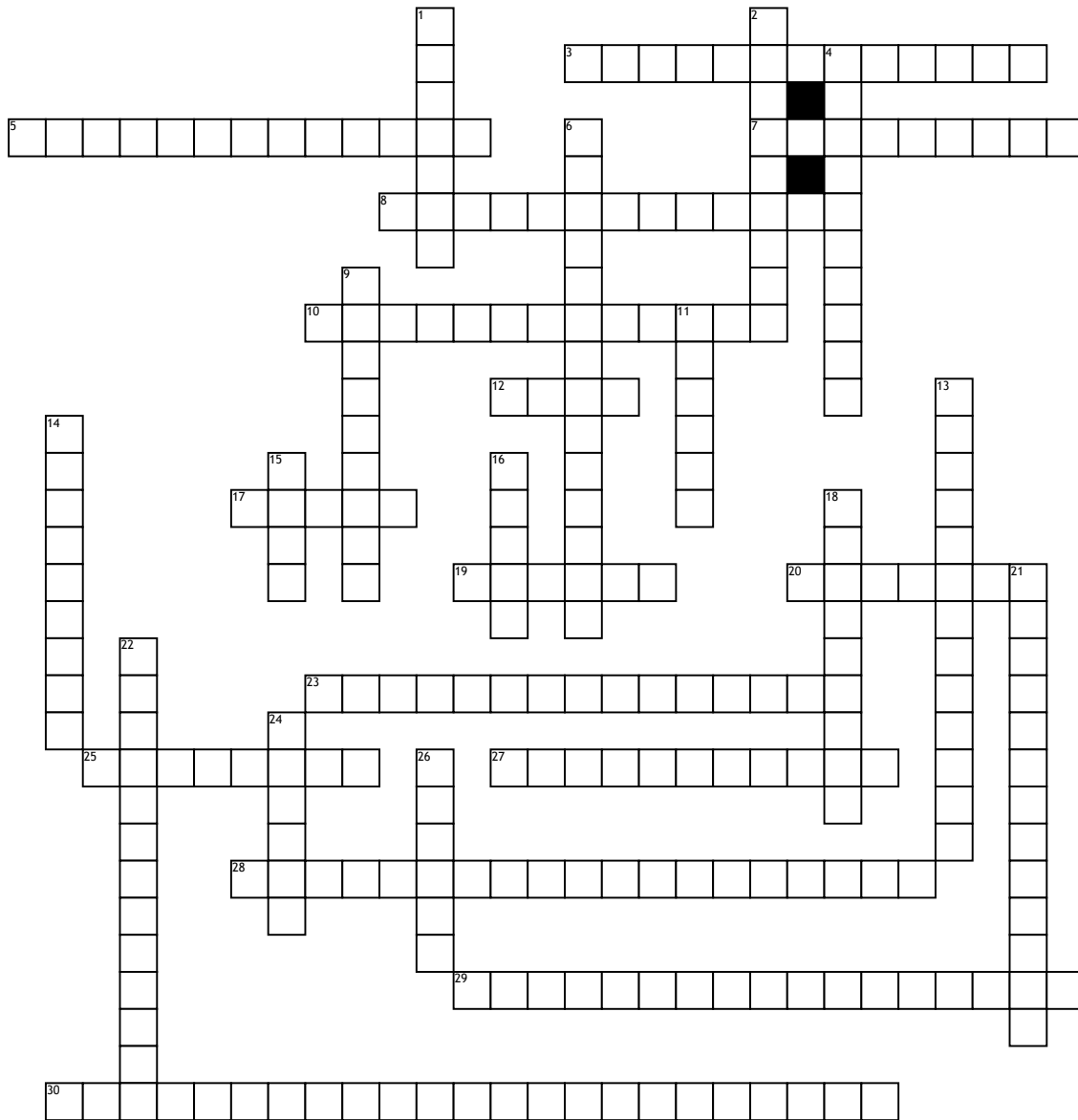


Name: _____

Engineering A01-5 Topic Revision



Across

3. The ability to keep the permanent shape? (plastic)
5. What do you call the moment when the material starts to deform?
7. What do you call gears interlocking with each other?
8. What is it called when a electric current flows in the wire and creates a magentic field?
10. The measure of how much stress and strain the material can go under?
12. A wheel with interlocking sharp teeth?
17. An exmapple of Electromagnet used in the industry will be a ?
19. A field lines show the?
20. What is force measured in?
23. The highest value that the wave has reached?

25. The ability to withstand scratches?
27. A length of wire in a magnetic field with a current, will make the wire move. What is this called?
28. The ability to withstand heavy loads?
29. What does the pneumatic system use a gas?
30. What is it called when the material can go under maximum tensile strength?

Down

1. The ability to be drawn out into thin long wires?
2. The ability to withstand dints and holes?
4. The ability to go back to the original shape?
6. A twisting force acting on the material?
9. A mixture of one or more material?

11. A hydraulic system uses incompressible?
13. The ability to be reshaped after being heated? (plastic)
14. What is the method to change the properties of a metal?
15. A ferrous metal has what in it?
16. A mixture of one or more metal?
18. The amount of waves in the given time?
21. A material that can change with its environment?
22. When the material has fractured it is at?
24. The time it takes for the wave to complete one cycle?
26. is the ratio of an applied force to a cross sectional area