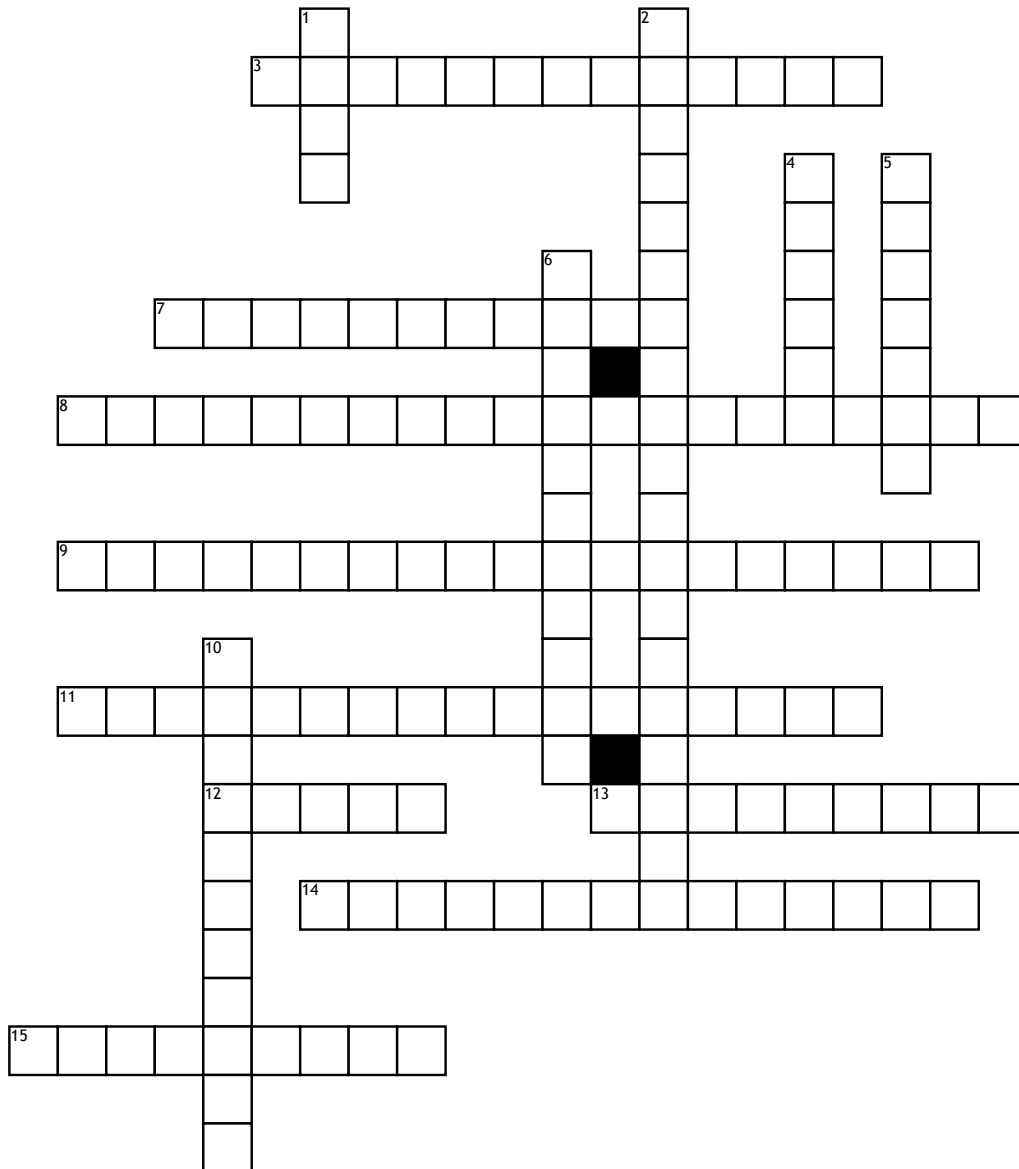# Mechanics of Materials Crossword

Across

3. Whan a load is applied ay the cut of a simply supported beam, what occurs in order to counteract the force?

7. What is shear force divided by the cross-sectional area?

8. A measurement of a round bar's capacity to oppose torsion is called...

9. What represents the slope of the linear portion of a stress-strain plot?

11. What represents the slope of the linear portion of a shear stress- shear strain plot?

12. "The Shear Force at the 'cut' is _____ to the algebraic sum of the forces acting to the left or right of the cut"

13. As the load increases at the point of loading, the shear force_____

14. The very last point on a stress-strain curve is called....

15. What happened to the deflection of a beam as the load increased?

Down

1. What is the value of strain at the neutral axis of the beam?

2. The area of the linear portion of a stress-strain curve is called....

4. Where is the location of the maximum deflection of a simply supported beam>

5. "The Bending Moment at the 'cut' is equal to the algebraic sum of the _____ caused by the forces acting to the left or right of the cut"

6. The bending stress is zero at the _____

10. Where is the location of the maximum stress of a beam?