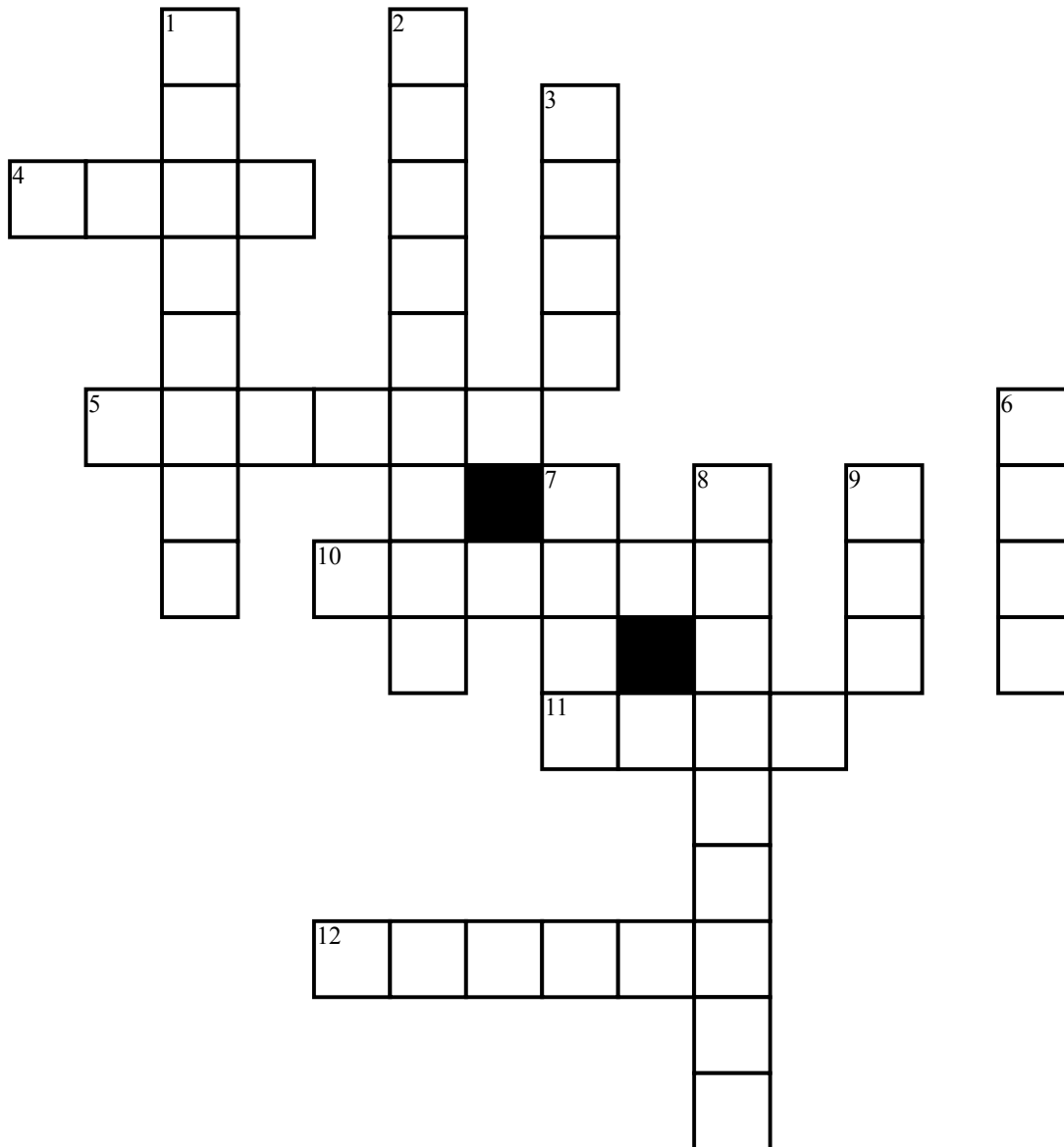# Strength of Material

Across

4. The bending of the beam not accompanied by any shear force is known as_____Bending

5. Twisting moment is also known as

10. energy stored in a body when strained within elastic limits

11. Maximum deflection in a cantilever beam with with UDL 'w' over the entire length will be at ___ end.

12. bracket is used in Macaulay's Method of slope and deflection

Down

1. For any part of a beam subjected to uniformly distributed load, bending moment diagram is

2. Angle between resultant stress and normal stress is known as angle of ____

3. The neutral axis of the cross-section a beam is that axis at which the bending stress is

6. The combined effect of external forces acting on a body is called -------

7. The deformation of a bar under its own weight is _____ the deformation, if the same body is subjected to a direct load equal to weight of the body

8. The bending stress in a beam is _____ proportional to section modulus.

9. In simply supported beam compression zone is at