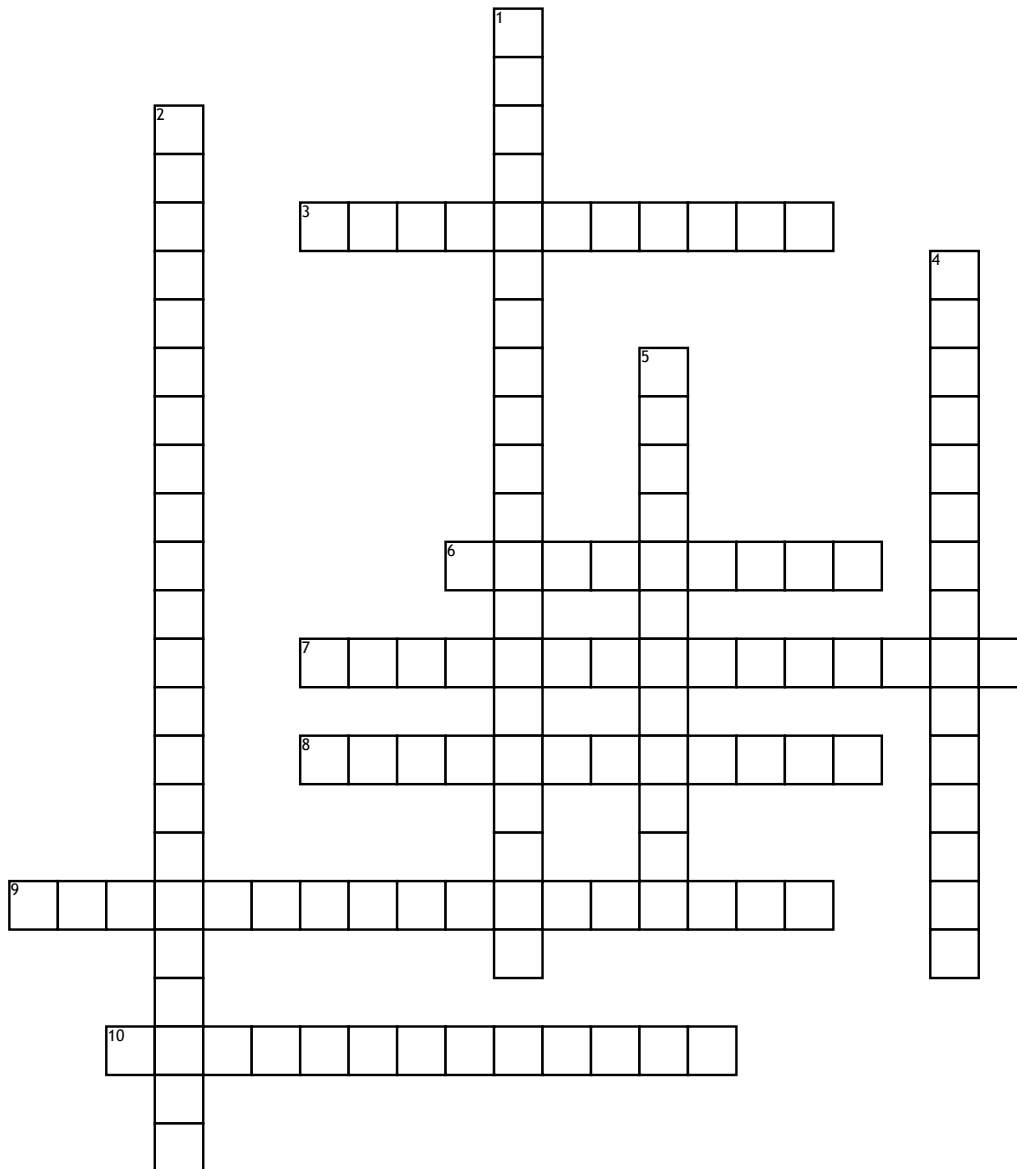


# Materials Laboratory



## Across

3. a line or plane through a beam where no strain occurs during
6. stiffness of material
7. the ability of a material to withstand plastic deformation without fracture
8. the angle through which fixed end of a shaft rotates with respect to the free end
9. the ratio of shear stress to shear strain

10. other name for modulus of elasticity

## Down

1. a measure of a circular beam's ability to resist torsion
2. there is no deflection of a beam located here
4. fractures at or near its proportional limit
5. the yield strength can be defined by what