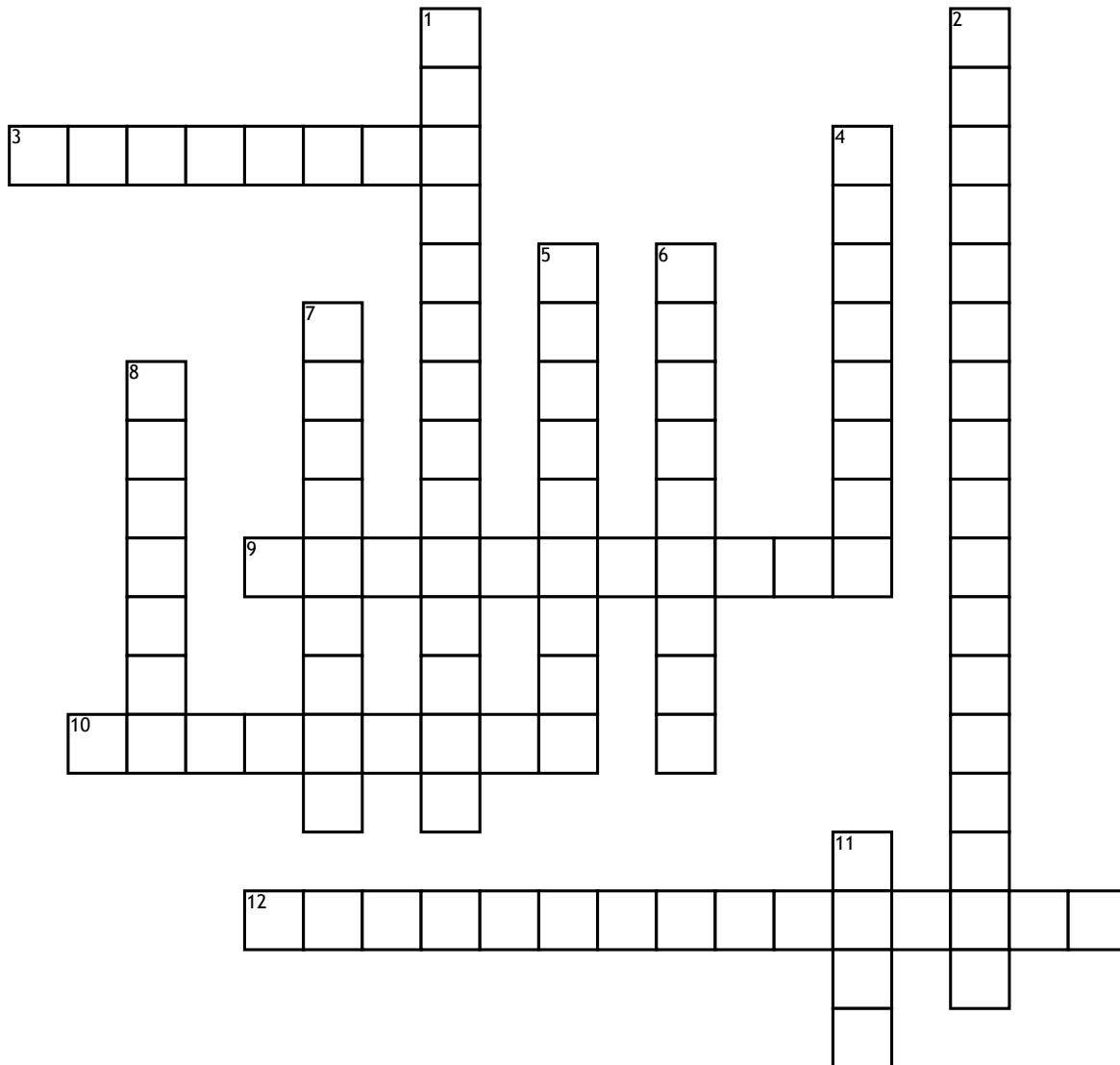


Name: _____

Date: _____

Materials Lab



Across

3. Where there is the maximum value of deflection?
 9. Where is there the least amount of bending stress in a beam?
 10. Farther away the point of loading is on a beam, the shear force..
 12. Location on a beam most resistant to torsion

Down

1. The maximum stress level?
 2. The elasticity coefficient for shearing or torsion force?
 4. Where there is an absence of deflection?
 5. As the weight increases at a point on the beam, the bending moment..
 6. As the weight increases at a point on the beam, the shear force..
 7. Farther away the point of loading is on a beam, the bending moment..
 8. Any material that can be subjected to large strains before it fractures?
 11. What is the value of strain at the neutral axis?