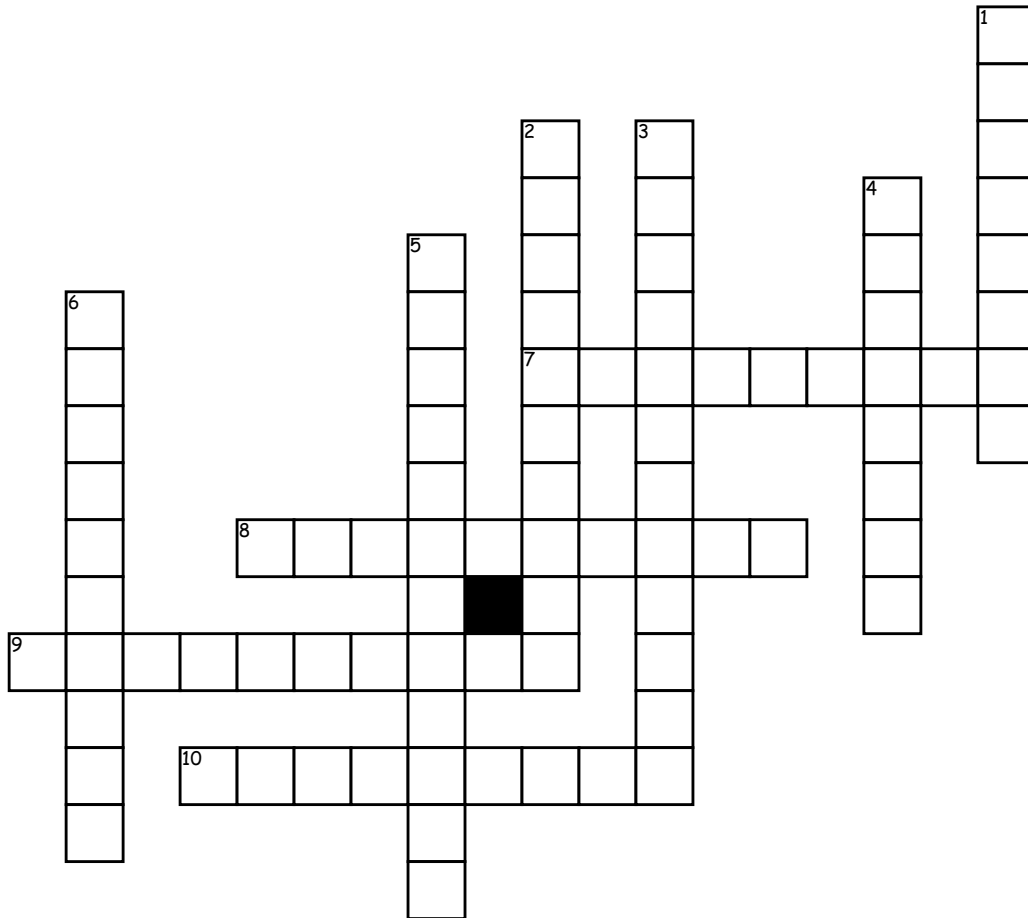


Properties



Across

7. is the ability of a material to withstand blows or sudden shocks without breaking

8. is the ability of a material to withstand wear, especially as a result of weathering

9. is the ability of a material to permanently change in shape

10. is the ability of a material to deform, usually by stretching along its length

Down

1. is the ability of a material to resist wear, scratching and indentation

2. is the ability of a material to bend and then to return to its original shape and size

3. is the ability of a material to conduct heat or electrical energy

4. is the ability of a material to withstand a force without breaking or bending

5. is the ability of a material to permanently deform in all directions without cracking

6. is the ability of a material to change into a liquid or molten state when heated to its melting point

Word Bank

Plasticity

Toughness

Durability

Conductivity

Fusibility

Malleability

Hardness

Strength

Ductility

Elasticity