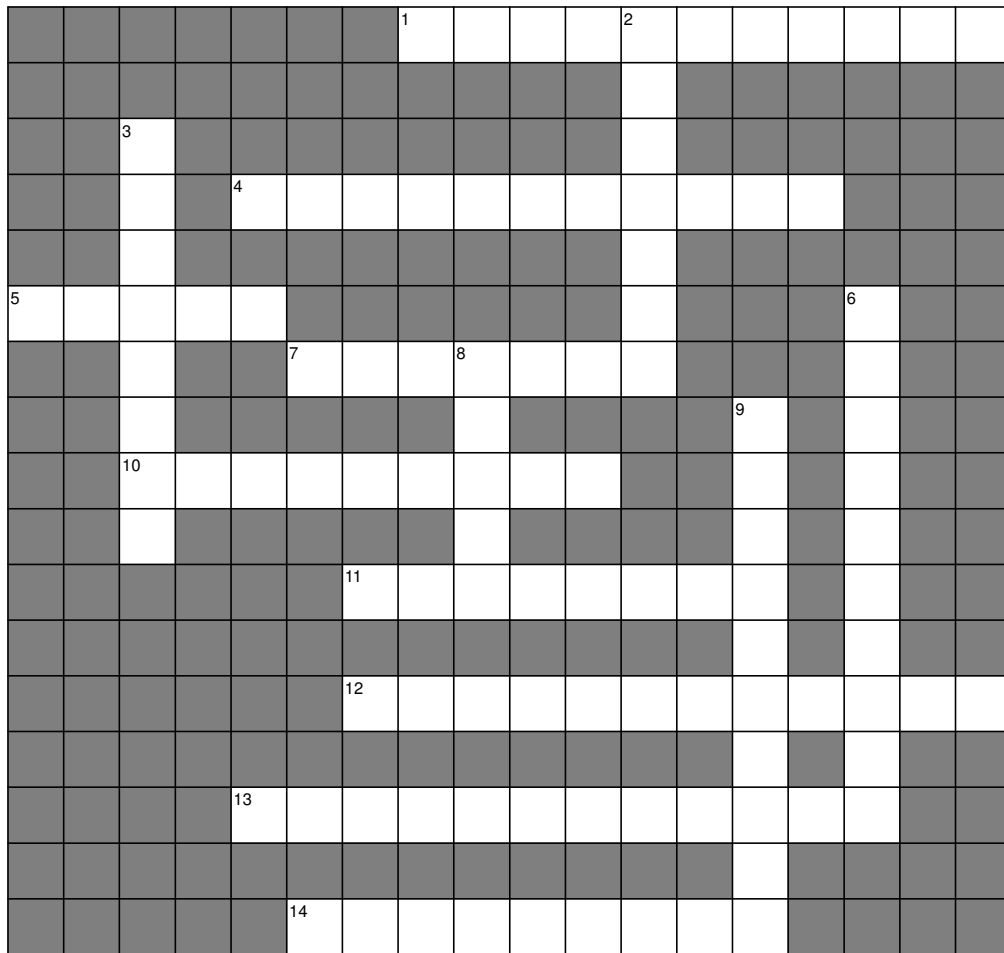


Properties of Materials



Properties of Materials

Across

1. When a material can be easily broken or fractured by an impact. (11)
4. When two inline forces are pushing onto an object. (11)
5. The stretching of a material due to a constant force over a period of time. (5)
7. When two inline forces a pulling on an object. (7)
10. The ability of a material to withstand impact. (9)
11. The ability of a materials to withstand scratching and indentation. (8)
12. The ability of a material to be stretched or shaped in all directions without breaking or fracturing. (12)
13. The ability of a material to allow heat or electricity to flow through it. (12)
14. The ability of a material to be stretched out by a force into thin wire. (9)

Down

2. Twisting forces. (7)
3. The ability of a material to withstand the forces of Tension, Compression and Shear (8)
6. The ability of a material to be stretched or formed into another shape and then hold that shape, without breaking or fracturing. (10)
8. When two or more forces are moving in opposite directions and not inline. (5)
9. The ability of a material to return to its original shape after it has been stretched. (10)