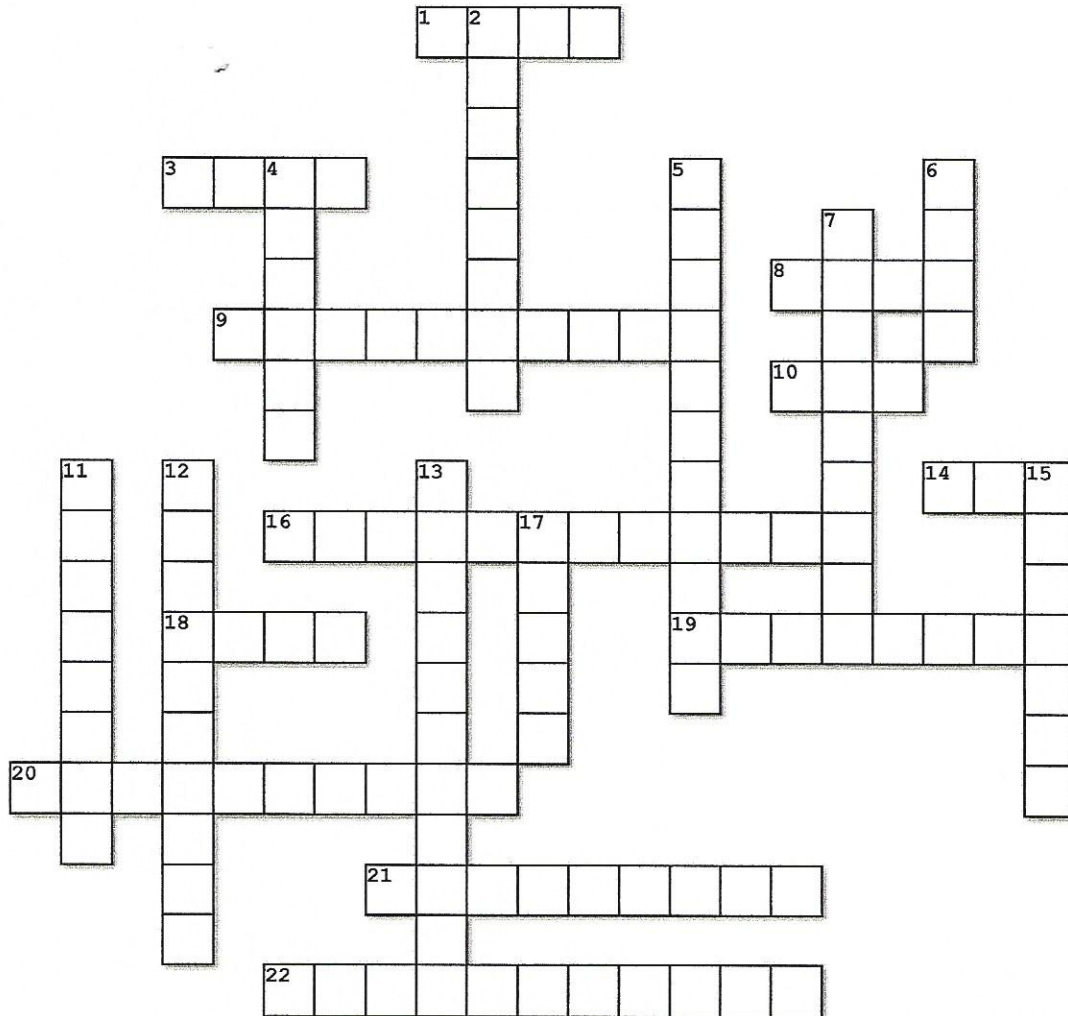


Complete the crossword below



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### Across

1. a branch from a ring or radial final circuit
3. thermal only type of protective device
8. a system that operates at or below 50V and is separated from earth and other systems
9. opposition to current flow measured in a conductor
10. abbreviation for junction of all protective conductors
14. earth fault loop at fuseboard
16. over-current condition due to a fault between live conductors
18. earthing system that uses a PEN conductor
19. over-current condition in a circuit which has no fault
20. covering on a cable to stop current flowing between conductors
21. opposition to current flow in an A.C. circuit
22. RCD units will not operate under this condition

### Down

2. have the line and neutral the right way around
4. first word used on bonding labels
5. the relationship between kW and kVA
6. disconnection time in seconds for a reduced low-voltage system
7. machine for creating electricity
11. providing a path for fault currents to flow
12. first test to be carried out in testing sequence
13. can increase or reduce voltages and currents
15. connecting conductive parts together to maintain the same potential
17. colour of functional earth conductor