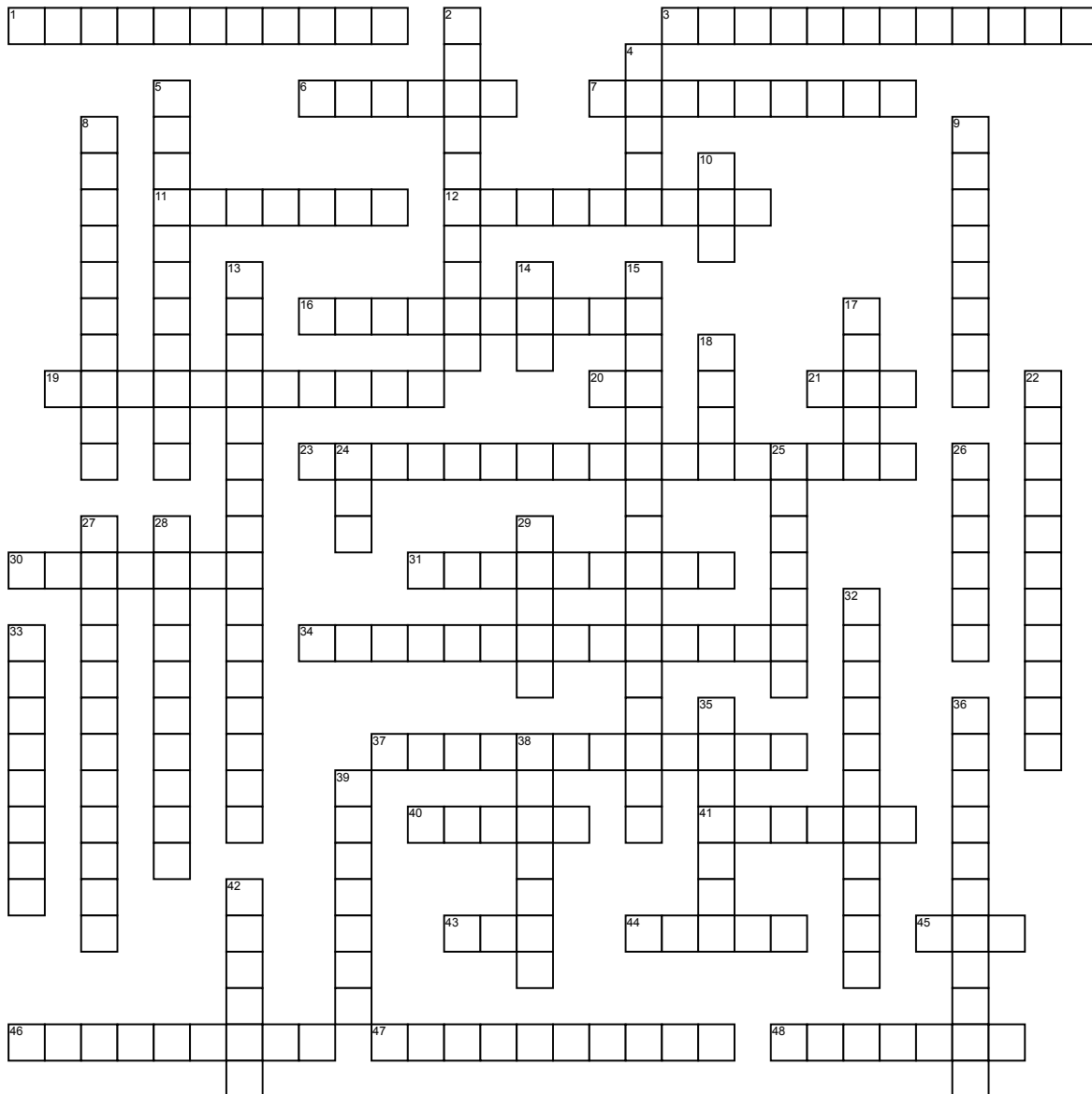


Crossword 1: December 2019



Across

1. It is a conductor from which tappings are taken for supply to the consumers
3. What is said to occur when a fault occurs on a network such that a large current flows in one or more phases
6. The first nuclear power plant in the world was commissioned in which country
7. the most commonly used material for insulators of overhead lines
11. The most commonly used type of arrester in a substation
12. What does the symbol f mean?
16. When an alternating current flows through a conductor, a changing flux is set up which links the conductor
19. It is a type of turbine used for high head hydro-electric plants
20. What is the symbol for zero halogen
21. The clamps or connectors used for connecting two electrical devices
23. A neutral plane is one where ... is zero
30. What type of transformer is used to measure alternating current
31. pole-mounted substations are used for distribution
34. Equipment which can open or close a circuit under all conditions
37. The phenomenon of intermittent arc taking place in line-to-line ground fault of a system with consequent production of transients is known as
40. A device which detects a fault and supplies information to the breaker for circuit interruption

41. They are used to connect high voltage equipment at electrical switchyards, and low voltage equipment in battery banks
43. The acronym for data management systems
44. In a boiler, the heat of combustion of coal in the boiler is utilized to convert water into ? at high temperature and pressure
45. What is the acronym for Sulphur based gas emissions
46. In an electrical system when inductive reactance of the circuit becomes equal to capacitive reactance it is known as
47. The economic size of conductor is determined by....
48. If the spacing between the conductors is increased, then corona effect is

Down

2. The tendency of alternating current to concentrate near the surface of a conductor is known as
4. The basic unit of energy is
5. The rigorous solution of transmission line takes into account the nature of line constants
8. The apparatus used for switching, controlling and protecting the electrical circuits and equipment
9. In the analysis of 3-phase transmission line, only is considered
10. What is the acronym for unit control panel
13. A sudden rise in voltage for a very short duration on the power system is known as what
14. The Buchholz is a actuated relay
15. The prime mover converts energy from some other form into what energy

17. The potential across the various disks of suspension string is different because of capacitance
18. It is a short piece of wire or thin strip which melts when excessive current flows through it for sufficient time
22. As any two conductors of an overhead transmission line are separated by air which acts as an insulation, ? exists between any two overhead line conductors
24. What is the acronym for level of illumination
25. Cross-arms are used on poles or towers to provide.... to the insulators
26. It is a conductor which connects the substation to the area where it is to be distributed
27. The use of this equipment permits power to be transmitted at high efficiency
28. It is the opposition of line conductors to current flow
29. What does the acronym "E" mean
32. The cosine of angle between voltage and current in an a.c. circuit is known as
33. This relay is installed between the main tank and conservator
35. What is another name for a prime mover in a power plant
36. What does the acronym SOL CU stand for
38. In a string of suspension insulators, the maximum voltage appears across the unit.... to the conductor
39. What cycle does a steam power station basically work on
42. The phenomenon of violet glow, hissing noise and production of ozone gas in an overhead transmission line.