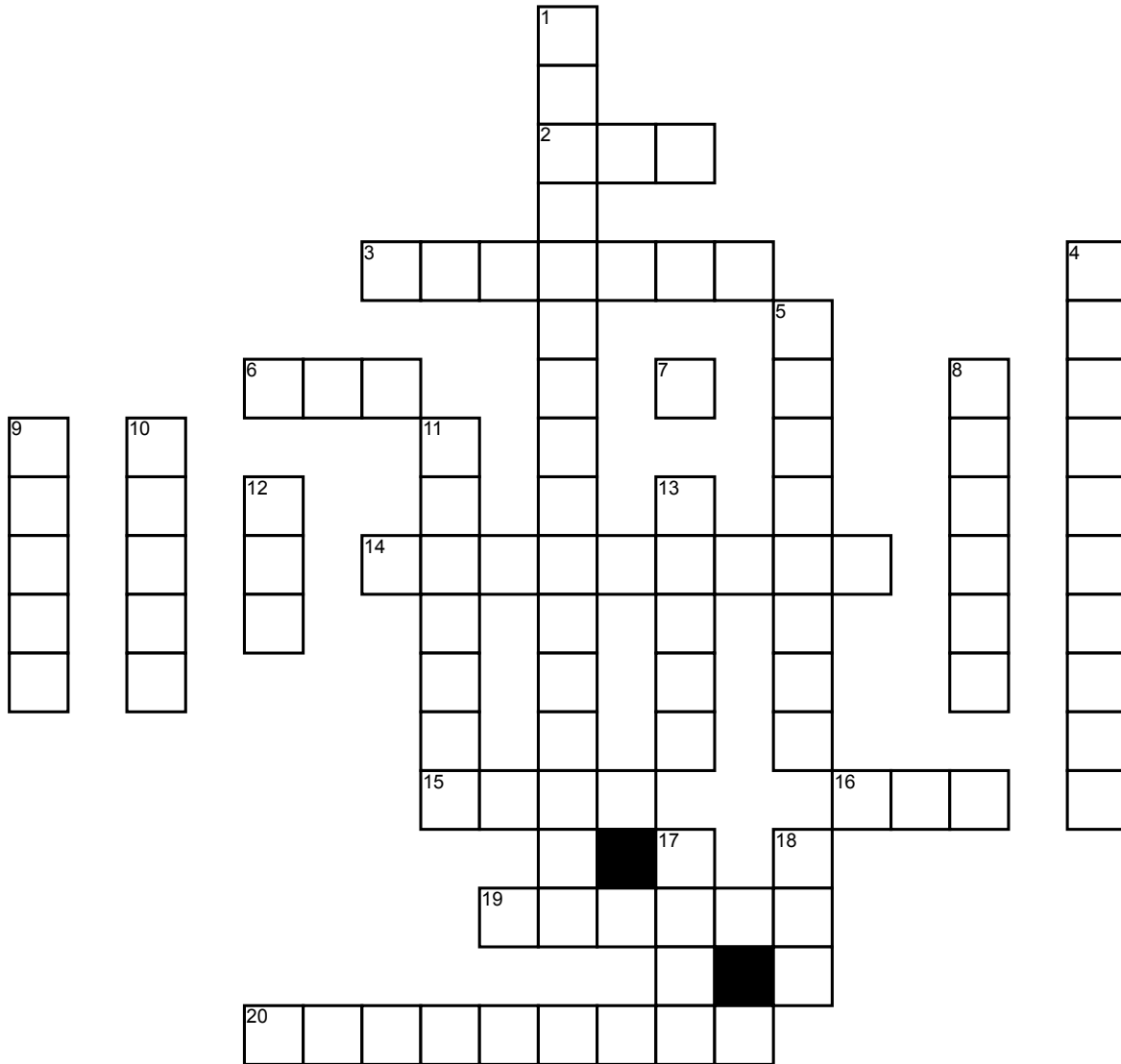


Name: \_\_\_\_\_

# ELECTRICAL



**Across**

- 2. . A \_\_\_\_\_ has two pn junctions.
- 3. The purpose of a parallel circuit resonance is to magnify
- 6. An FM radio receiver which is tuned to a 91.6 MHz broadcast station may receive an image frequency of \_\_\_\_\_ MHz.
- 7. A differential amplifier has a differential gain of 20,000 . CMRR=80 dB. The common mode gain is given by
- 14. At room temperature the current in an intrinsic semiconductor is due to
- 15. . The universal gate is .....
- 16. For telegraphy the most commonly used modulation system is

- 19. The frequency range of 300 kHz to 3000 kHz is known as \_\_\_\_\_ frequency.
  - 20. The product of apparent power and cosine of the phase angle between circuit voltage and current is
- Down**
- 1. For attenuation of high frequencies we should use
  - 4. The double energy transient occur in the
  - 5. Using DeMorgan's Theorem we can convert any AND-OR structure into
  - 8. The horizontal intercept of dc load line is the same as ideal \_\_\_\_\_ point.
  - 9. The effective channel length of a MOSFET in a saturation decreases with increase in \_\_\_\_\_ voltage.
  - 10. A debouncing circuit is a

- 11. The most commonly used semiconductor material is
- 12. What is the octal equivalent of the binary number: 10111101
- 13. The \_\_\_\_\_ is like a bidirectional SCR
- 17. The number of interrupt lines in 8085 is
- 18. The safest value of current the human body can carry for more than 3 second is