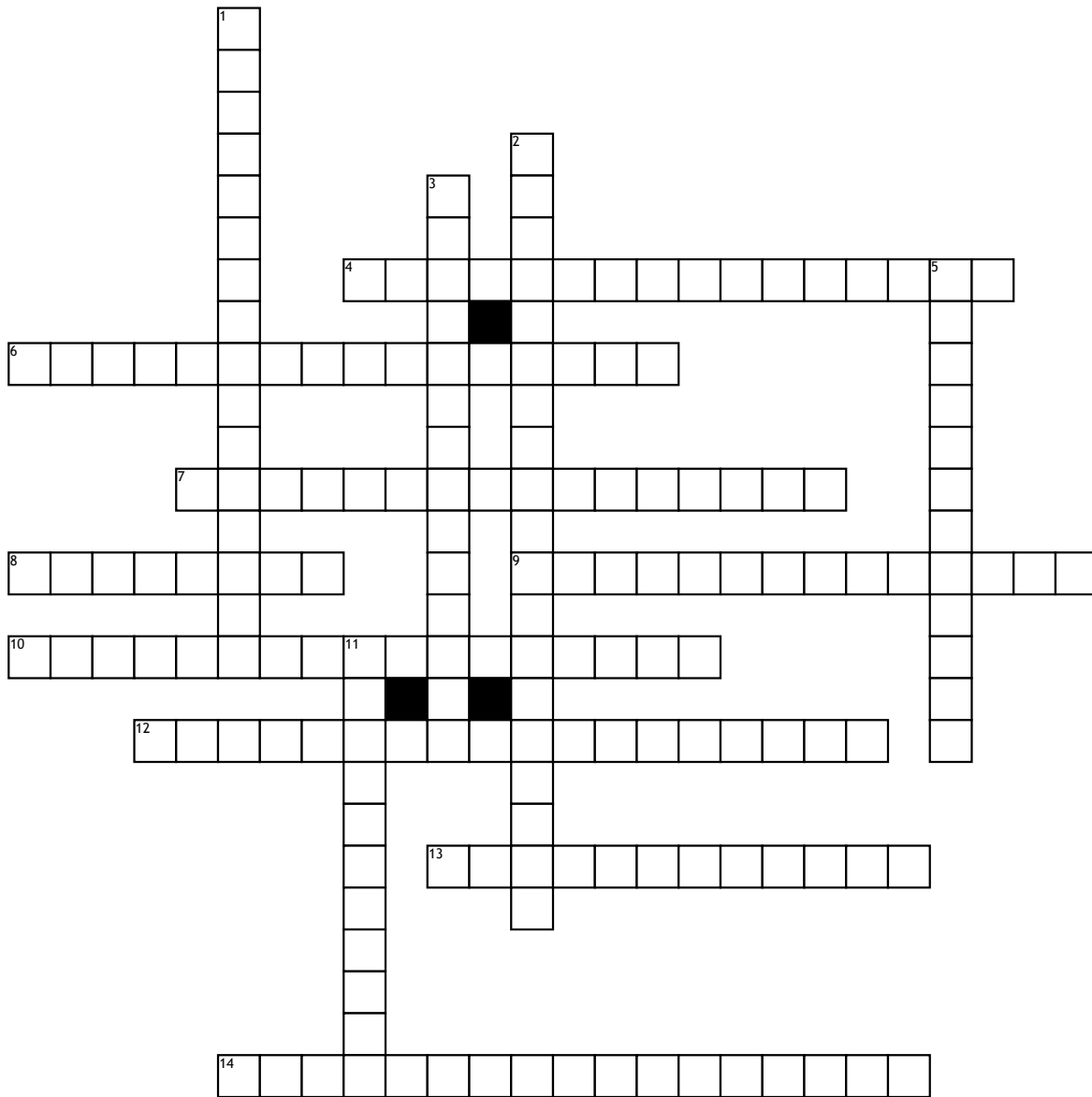


TOPIC 6 VOCABULARY



Across

- 4. The difference between two numbers in an arithmetic sequence.
- 6. A quantity is subject to exponential decay if it decreases at a rate proportional to its current value.
- 7. Interest that is paid both on the principal and on the interest that has already been paid.
- 8. a quantity representing the power to which a given number is taken.
- 9. Those whose graph is a straight line. A linear function has the following form. $y = f(x) = a + bx$.

- 10. Is a number sequence in which term after the first term is found by multiplying the previous term by a common ratio.
- 12. the difference between one term and the next is a constant.
- 13. A multiplier that grows as some independent variable increases.
- 14. Is exhibited when the rate of change—the change per instant or unit of time .

Down

- 1. represents both an integer exponent and an nth root .The root is found in the denominator and the integer exponent is found in the numerator.

- 2. The product of an initial amount and a constant ratio raised to a power.
- 3. Determined by multiplying the daily interest rate by the principal by the number of days that elapse between payments.
- 5. Determined by multiplying the daily interest rate by the principal by the number of days that elapse between payments.
- 11. Ratio of two variables is a number that, when multiplied by one of the variables, gives the other.