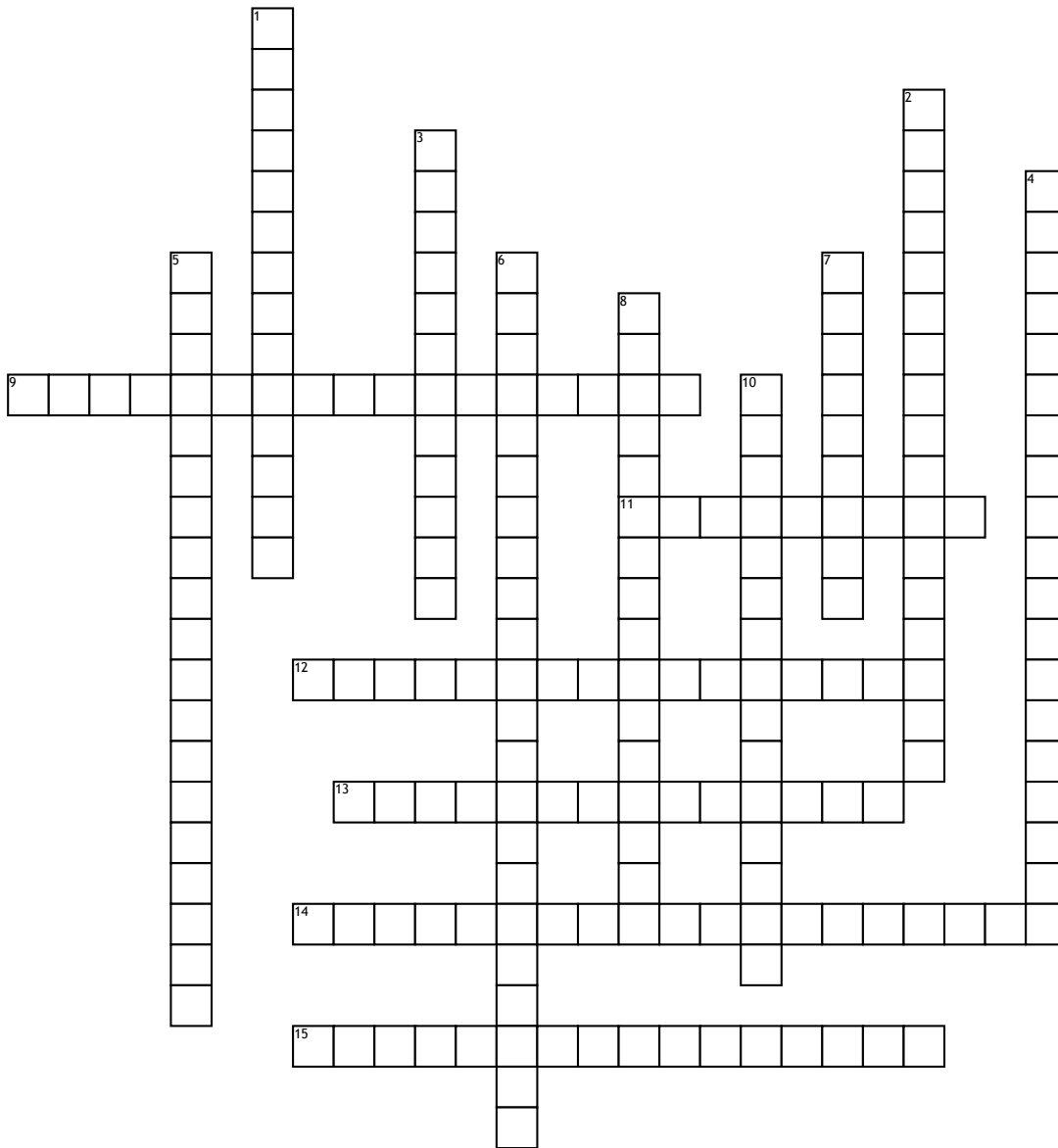# Vocabulary Chapter 6

Across

9. _____growth that occurs when a quantity increases exponentially over time

11. A line that a graph approaches

12. Logarithms that use 10 as the base

13. Term between any two non successive terms of a geometric sequence

14. An equation that contains one or more logarithms

15. _____occurs when a quantity decreases exponentially over time

Down

1. A line of best fit

2. Interest paid on the principal of an investment and any previously earned interest

3. An irritational number approximately equal to 2.71828

4. An equation in which the variables occur as exponents

5. For all positive numbers a,b, and n, where a =/ 1 and b=/ 1, logaN= logbN/logbA

6. A measure that shows how well dats are modeled by a linear equation

7. In the function x=b^4, y is called the logarithm, bass b, of x. Usually written as y=logb x and is read "y equals log base b of x"

8. Logarithms with base e, written in x

10. Sum of the terms of a geometric sequence