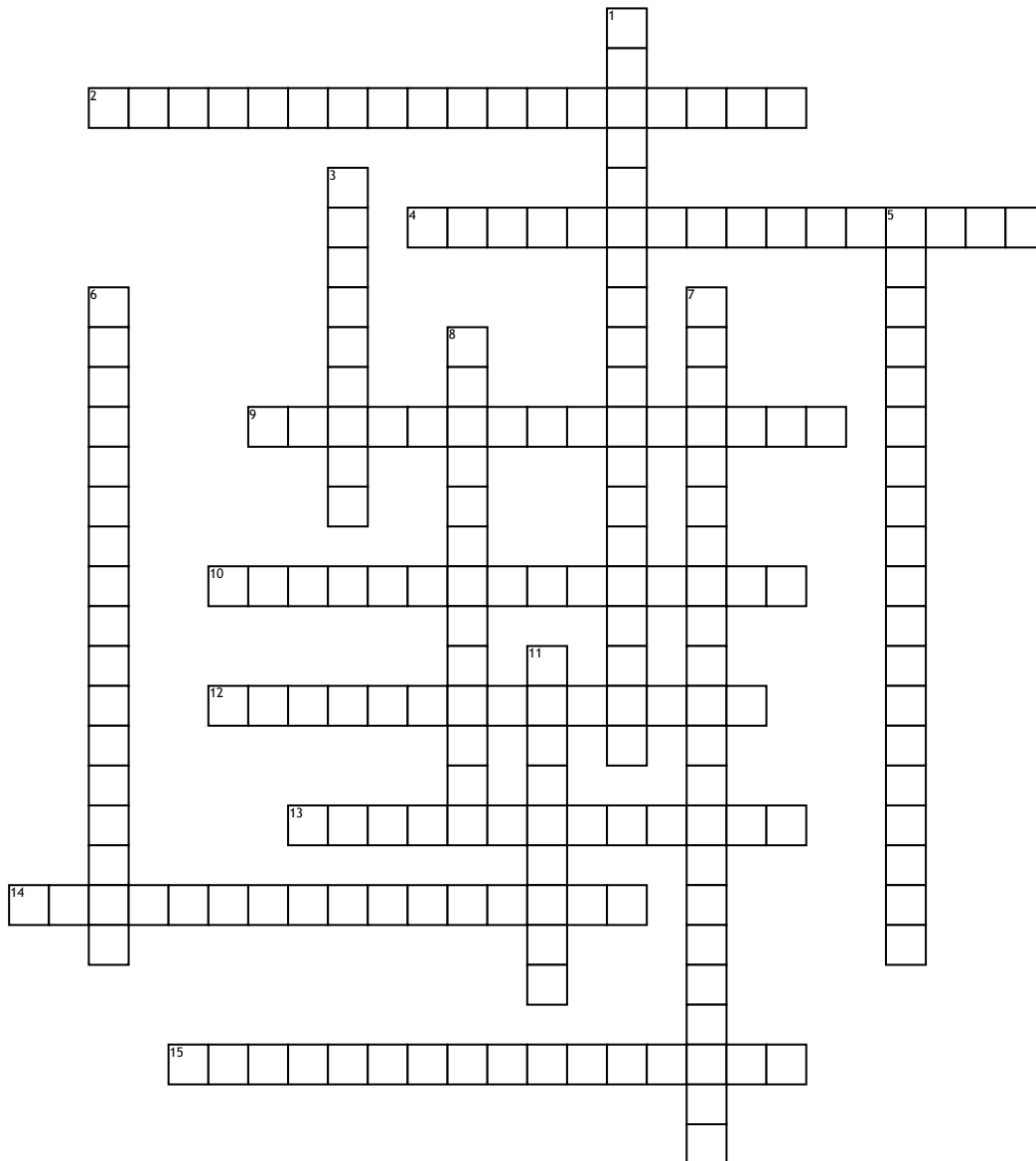


Chapter 6 Crossword



Across

2. equation that contains one or more logarithms
 4. occurs when a quantity decreases exponentially over time
 9. sum of the terms of a geometric sequence
 10. logarithms that use 10 as a base
 12. line of best fit
 13. term between any 2 nonconsecutive terms of a geometric sequence

14. logarithms with base e , written in x

15. interest paid on the principal of an investment and any other previously earned interest

Down

1. for all positive numbers a, b , and n , where $a=1$ and $b=1$, $\log_b n =$
 3. a line that a graph approaches
 5. an equation in which the variables occur as exponents

6. occurs when a quantity increases exponentially over time

7. measure that shows how well data are modeled by a linear equation

8. an irrational number approximately equal to 2.71828...

11. in the function $X=b^y$, y is called the logarithm, base b , of x . Usually written as $y=\log_b x$ and is read "y equals logarithms base b of x "