



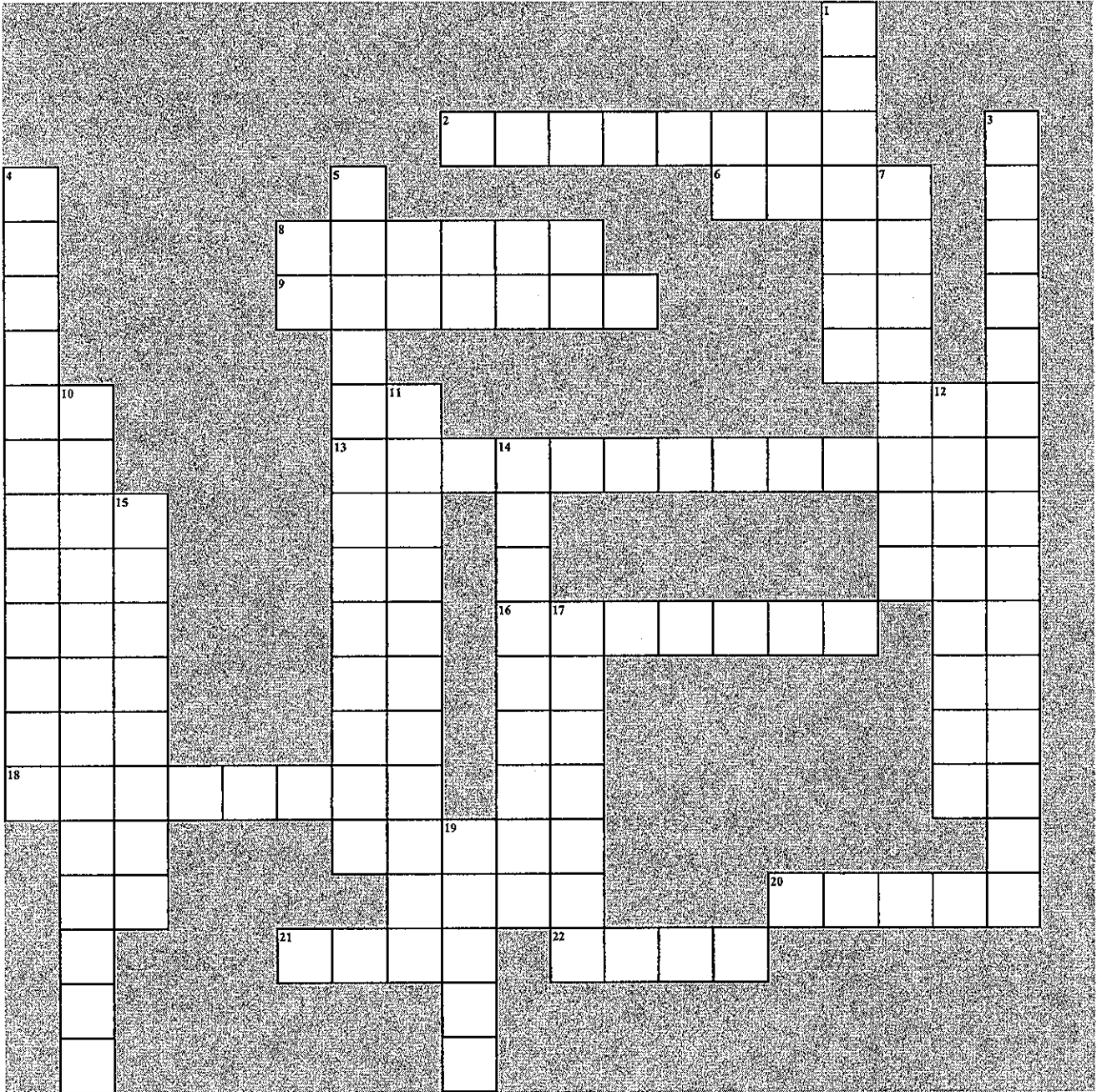
Name \_\_\_\_\_

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(Key # 1 - 724660)

# Vocabulary 6

Complete the crossword puzzle.



UNBALANCED FORCE  
MIXTURE  
HETEROGENEOUS  
ACID  
SPEED  
MATTER  
CHEMISTRY  
FORCE

NET FORCE  
ELEMENT  
MOMENTUM  
SOLUTION  
CONCENTRATION  
PHYSICS  
MASS  
HOMOGENEOUS

BASE  
COMPOUND  
BALANCED FORCE  
ACCELERATION  
INERTIA  
VELOCITY

### Across

- 2 speed and direction of a moving object
- 6 amount of matter in an object.
- 8 anything that takes up space and has mass.
- 9 substance that cannot be broken down into simpler substances.
- 13 describes how much solute is present in a solution compared to the amount of solvent.
- 16 a combination of compounds and elements that has not formed a new substance and whose proportions can be changed without changing the mixture's identity.
- 18 combination of all forces acting on an object.; the sum total of all the forces acting on an object. (2 words)
- 20 a push or a pull
- 21 reacts with acids to form salts, and turns red litmus paper blue, substance that accepts  $H^+$  ions and produces hydroxide ions when dissolved in water.
- 22 a sour-tasting compound that releases hydrogen ions to form a solution with a pH of less than 7, reacts with a base to form a salt, and turns blue litmus red.
- 4 increase in speed: the rate at which something increases in velocity measure of increase in velocity: a measure of the rate of increase in the velocity of something per unit of time
- 5 two or more forces whose effects cancel each other out and do not change the motion of an object. (2 words)
- 7 fluid with substance dissolved in it; homogeneous mixture whose elements and/or compounds are evenly mixed at the molecular level but are not bonded together
- 10 consisting of dissimilar parts: consisting of parts or aspects that are unrelated or unlike each other
- 11 of same kind: having the same kind of constituent elements, or being similar in nature; having uniform composition
- 12 a substance produced when elements combine and whose properties are different from each of the elements in it
- 14 a branch of science dealing with the structure, composition, properties, and reactive characteristics of substances, especially at the atomic and molecular levels.
- 15 a measure of how difficult it is to stop a moving object; equals the product of mass and velocity.

### Down

- 1 the scientific study of matter, energy, force, and motion, and the way they relate to each other.
- 3 two or more forces acting on an object that do not cancel, and cause the object to accelerate. (2 words)
- 17 tendency of an object to resist a change in its motion.
- 19 equals the distance traveled divided by the time it takes to travel that distance.