

# SECTION 2

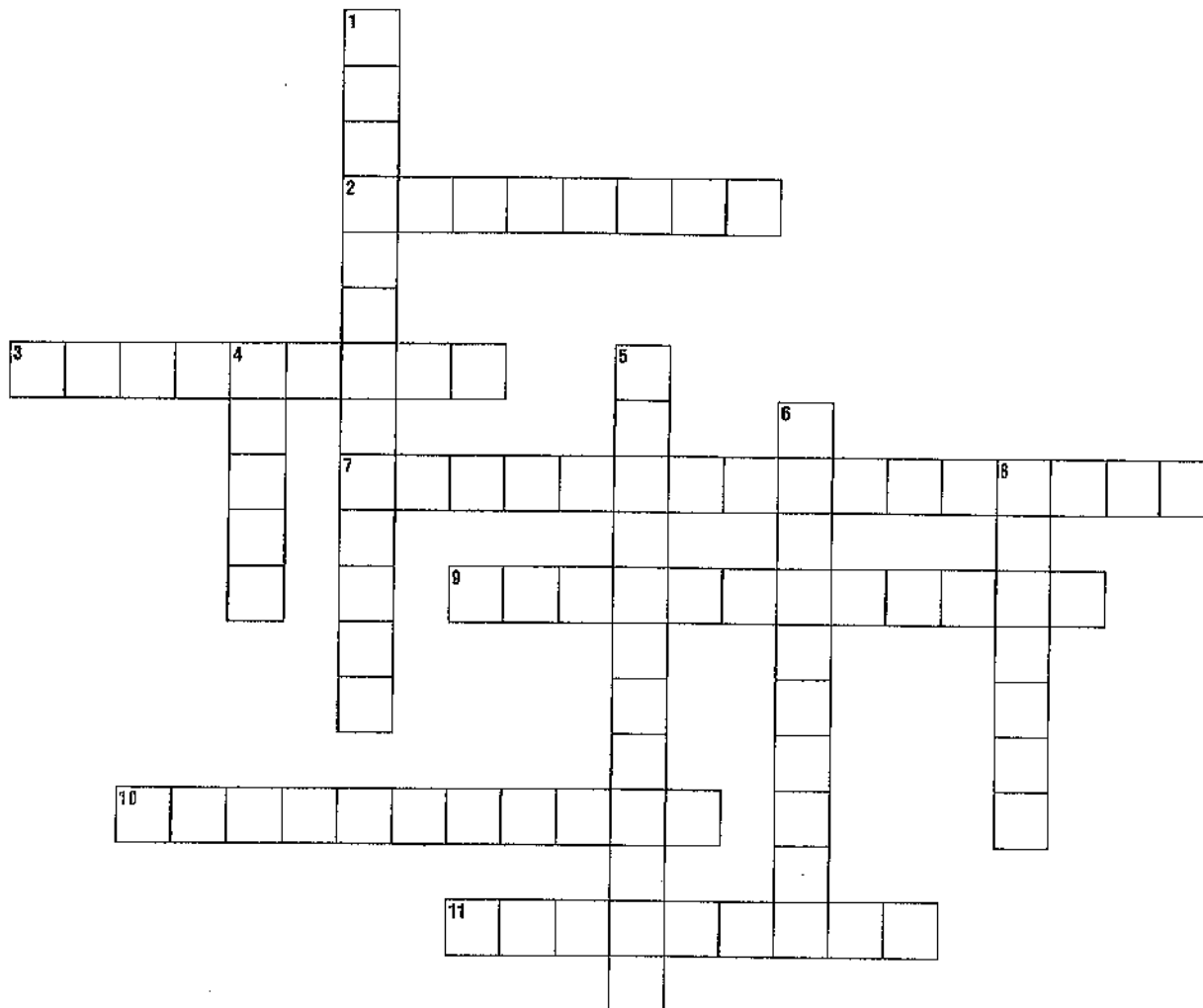
## Study Guide

## Rates of Chemical Reactions

## Chapter

# 2

**Directions:** Use the clues to complete the puzzle.



### Across

2. It speeds up a reaction but is not permanently changed
3. It slows down a chemical reaction
7. The minimum amount of energy needed to start any reaction (2 words)
9. By decreasing this, you can speed up a chemical reaction (2 words)
10. Increasing this speeds up most chemical reactions
11. Enzymes that break down proteins

### Down

1. Amount of substance present in a certain volume
4. They are broken before a chemical reaction takes place
5. Measure of how fast a reaction occurs (two words)
6. These must be strong in order to cause a chemical change to take place
8. Catalysts at work in the body