## Thinkfun B R A I N F I T N E S S CROSS TRAIN YOUR BRAIN

 PUZZLE

## B

GA Z
PME
Instructions
and Solutions

## WORDSEARCH PUZZLE

ThinkFun's Brain Fitness games are designed as a fun way to help you exercise your brain. The 80 challenges will stretch your mental muscles and strengthen speed, focus, and memory. We recommend that you start with the beginner level and work through the challenges progressively. Just 15 minutes of play a day will reduce stress and provide a good brain workout. You're on your way to a healthier brain!
For word search lovers who want a little extra brain workout, this is the game for you! In this amalgamation of polyominoes and word search, players select a challenge and then place the pieces onto the challenge so that the letters under each piece spell a word either forward or backward. Not only will this game give your vocabulary a run for its money, it will strengthen your visual perception and reasoning skills.


## Object:

Use the colored Puzzle Pieces to cover all the letters printed on your challenge card. Each puzzle piece must cover a single word that can be read forward or backward (not scrambled) and no blank spaces can appear under a Puzzle Piece.

## Setup:

1. Select a challenge from the challenge booklet.
2. Select the required Puzzle Pieces as shown on the right side of each challenge card:

??? - The number of question marks equals the number of pieces you need to use but you will have to decide which pieces they are!

## Steps To Play:

1. Place the colored Puzzle Pieces on the challenge so the letters under each Puzzle Piece spell a single, complete word when read forward or backward. For a correct solution:
a. Words covered correctly by a Puzzle Piece will not be scrambled.
b. Puzzle Pieces must be entirely within the challenge boundary.
c. All letters on the challenge must be covered by Puzzle Pieces.
d. No portion of a Puzzle Piece can cover an empty spot.
e. When an icon is shown on the grid, use the word that represents the icon to make up a word. For example, " B ", " R " and " $\&$ " can be combined to make the word "BRAND." Be careful with challenge 80 , we've made it especially tricky!


Blank challenge


Correctly solved challenge
2. When every letter is covered and all colored pieces spell a word, YOU WIN!

## ACCEPTABLE WORDS:

Word Search Puzzle challenges use only words that can be found in a standard English dictionary. Abbreviations, prefixes or suffixes are not used, nor are words requiring a hyphen or an apostrophe, nor are proper nouns that require a capital letter.

## About the Inventor:

Derrick Niederman has been creating word and number puzzles for more than thirty years. His first crossword puzzle was published by the New York Times in 1981, the same year he earned his Ph.D. in mathematics from MIT. Dozens of Niederman's crossword puzzles have been published in the Times and other leading publications. Niederman has published several volumes of math puzzles and is the author of the recreational mathematics book Number Freak as well as the co-author of the quantitative reasoning classic, What the Numbers Say. Niederman is also the creator of the geometric puzzle 36 Cube, introduced by ThinkFun in 2008.

## Challenge Development By:

Derrick Niederman and Tyler Somer

Solutions - Beginner



Solutions - Intermediate



| $\mathbf{S}$ | $\mathbf{Y}$ | $\mathbf{E}$ | $\mathbf{L}$ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathbf{A}$ | $\mathbf{I}$ | $\mathbf{O}$ | $\mathbf{X}$ | $\mathbf{P}$ | $\mathbf{A}$ |
| $\mathbf{D}$ | $\mathbf{A}$ | $\mathbf{G}$ | $\mathbf{A}$ | $\mathbf{M}$ | $\mathbf{M}$ |



Solutions - Intermediate



| 37 |  | H | A | P | A |  | Y |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ALLAY |  | A |  | P | P | P | L |
| APPLY | R | W | K | Y | L | A | Y |
| AWRY HAPPY | Y | Y | A | A | L | N |  |
| KAYAK | K | A |  | Y | A | W |  |
| YAWN |  |  |  |  |  |  |  |



|  |  | R |  |  |
| :---: | :---: | :---: | :---: | :---: |
| EKE | R | E | L | E |
| EWER | E | V |  |  |
| LEVEL | V |  |  |  |
| LEVER (REVEL) | V | E | L |  |
| WEEK | E | L |  |  |
|  | W | E | E | K |
|  |  | E | K | E |


| 40 | N | 0 | U |  | N | I |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| INN | 0 | N | N |  | N | N |
| KNOWN | I | 1 | N | 0 | 0 | 0 |
| NOON | N | 0 |  | K | N | N |
| NOUN | U | N |  | N | 0 | W |
| UNION |  |  |  |  |  |  |

Solutions - Advanced

| ABET | M | U | 1 | S | (1) | A |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | E | D | 1 | D |  |
| AMUSED |  | R | p | N | C |  |
| APHID |  | $\pi$ | D | E | H |  |
| DETAILS |  | M | E | E | H |  |
| EMPIRE |  | M | $\eta$ | D | A |  |
| RHODIUM |  | 0 | 1 | a | B |  |
| STAUNCH | A | $\boldsymbol{\varepsilon}$ | L | S | E |  |




| 50 |  | S | S | I |
| :---: | :---: | :---: | :---: | :---: |
| ISSUE | S | S | I | M |
| MESS | E | S |  |  |
| SENSE | N | U | E | S |
| SENSE SINUS | S | E | E | S |
| SUM |  |  | M | S |
|  | U | S | N | U |
|  | M | S | I |  |


| 51 | $\mathbf{N}$ | $\mathbf{O}$ | $\mathbf{Z}$ | $\mathbf{O}$ | $\mathbf{D}$ | $\mathbf{E}$ |
| ---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | EGO | $\mathbf{E}$ | $\mathbf{O}$ | $\mathbf{O}$ | $\mathbf{E}$ | $\mathbf{O}$ |
|  |  |  |  |  |  |  |
| ELOPE | $\mathbf{E}$ |  |  |  |  |  |
|  | $\mathbf{E}$ | $\mathbf{Z}$ |  | $\mathbf{G}$ | $\mathbf{G}$ | $\mathbf{E}$ |
| GEODE | $\mathbf{L}$ | $\mathbf{E}$ | $\mathbf{P}$ | $\mathbf{E}$ | $\mathbf{O}$ |  |
| OOZE | $\mathbf{L}$ |  |  |  |  |  |
| OZONE | $\mathbf{O}$ | $\mathbf{P}$ | $\mathbf{E}$ | $\mathbf{K}$ | $\mathbf{O}$ | $\mathbf{E}$ |
|  |  |  |  |  |  |  |

PEKOE

fugue

$$
\begin{array}{r}
55 \\
\text { CALF } \\
\text { DEMUR } \\
\text { EBONY } \\
\text { HIRE } \\
\text { USE } \\
\text { WHISK }
\end{array}
$$




| $\begin{array}{r} 58 \\ \text { AUK } \end{array}$ | N | K |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | I | K | K |  |  |  |
| KICK | K | S |  |  |  |  |
| KINK |  |  |  |  | K |  |
| kIOSK | S | 0 | N | K | K |  |
| KNACK | K | K | N | I | C |  |
| SKINK | N | K | K | K |  |  |
| SKUNK | A | K | N | U | K | U |
|  | C | K |  | K | S | A |



Solutions - Expert

| 61 | K |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ANGER | A | E |  |  |  |  |  |  |
| ARTS | Z | R | C |  |  |  |  |  |
| CREAK | 2 | R | A |  |  |  |  |  |
| FOLIO | 0 | 0 | A | S |  |  |  |  |
| OASES | N | D | D | E | S |  |  |  |
| ODD | E | D | 0 | 0 | N | A |  |  |
| THIN | R | T | S | I | G | N | I |  |
| ZONED | A | F | 0 | L | E | R | H | T |



| 67 | A |  |  |  | $\mathbf{P}$ | D $A$ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| AGONY | R | B | E | L | T |  |  | L |
| BAIL | A | 1 | A | B | P | E | Y | B |
| BLADE | V | L | S | L | E | 0 | N | G |
| PALE | E | N | E | X | A | G | R | U |
| RUG |  |  |  | A | W |  |  |  |
| SLEPT |  |  |  |  |  |  |  |  |
| WAXEN |  |  |  |  |  |  |  |  |


| 69 | M | A | R | 0 | R | R |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| AROMA | 0 | C | 0 | M | A | U |
| BURRO | T | H | A | S | I | B |
| MOCHA | 0 | R | T | E | E | L |
| TORTE |  |  |  |  |  |  |


| 68 | C | E | R | E | A | L |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ACE | A | D | 0 | R | E | S | 5 |
| ERODE | D | E | F | E | A |  | T |
| EXILE | E | L | I | X | I |  | R |
| FILED | F | E | L | I | N |  | E |
|  | R | A | N | K | L |  | E |



Solutions - Expert


| 76 | E | B | I | R | E | L |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ANDANTE | X | P | \& | T | H |  |
| bandstand | E | \& | A | S | \& | H |
| HANDBAG | T | N | B | \& | B | A |
| HANDLER <br> HANDOUT | H | A | \& | \& | R | G |
| IBEX | \& | 0 | U | T | 0 | N |
| IRON |  |  |  |  |  |  |
| PANDA |  |  |  |  |  |  |


| 77 |  |  |  | Q |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ABACI | A | T | 0 | U | A | 1 | L |
| ATONE | Y | T | N | 1 | R | T | I |
| IRKS | H | 5 | E |  | K | S | A |
| KRAIT | C | E | T | 1 | C | K | R |
| QUAIL | T | I | 0 | U | A | B | A |
| QUOTE |  |  |  | Q |  |  |  |
| STY |  |  |  |  |  |  |  |


| 79 | $\star$ | L | E | M | P | 0 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| LET | E | D | T | U | * | D |
| LODESTAR | R | 0 | S | C | D | I |
| MUSTARD | 1 | L | $\star$ | 0 | R | A |
| PODIA | N | K | T | D | E | A |
| RINK | N | N | I | E | L | $\star$ |
| Starting |  |  |  |  |  |  |
| STARTLED |  |  |  |  |  |  |


| 78 | R | E | C | U | R | L |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| AWAY | A | S | 0 | L | I | Y |
| CURIO | W | A | Y | V | 0 | N |
| INFER | E | A | R | E | V | N |
| LOSER | F | E | V | U | 0 | X |
| TAX | N | I | H | C | T | A |
| VERVE |  |  |  |  |  |  |
| VINYL |  |  |  |  |  |  |



## ThinkFun＇s Mission is to Ignite Your Mind！

ThinkFun ${ }^{\circledR}$ is the world＇s leader in addictively fun games that stretch and sharpen your mind．From lighting up young minds to creating fun for the whole family， ThinkFun＇s innovative games make you think while they make you smile．
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