

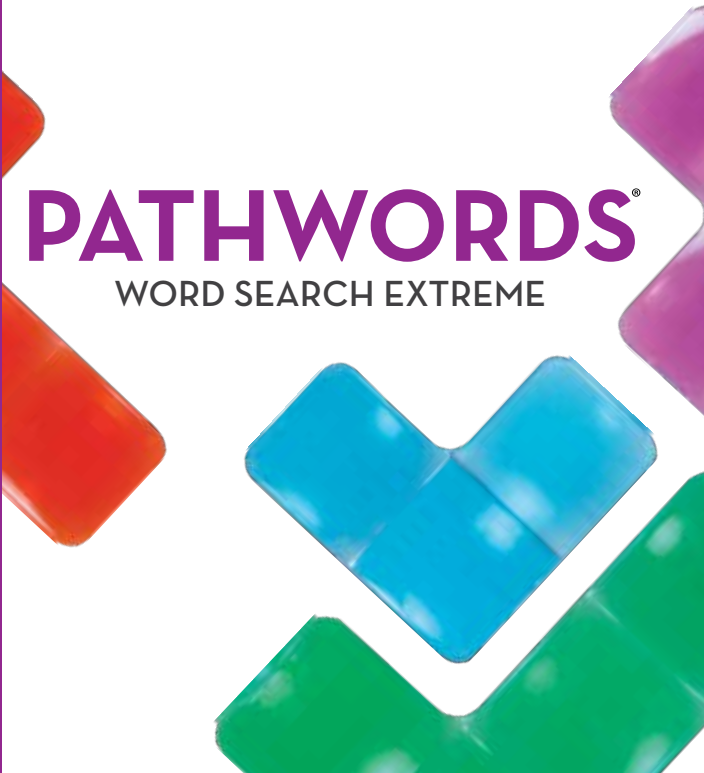


B R A I N F I T N E S S
C R O S S T R A I N Y O U R B R A I N

Instructions
and
Solutions

PATHWORDS®

WORD SEARCH EXTREME



PATHWORDS[®]

WORD SEARCH EXTREME

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, strengthening 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.



Includes:


- 80 Challenges
- 8 Puzzle Pieces
- Instructions & Solutions

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:

 – Select only the Puzzle Pieces shown.

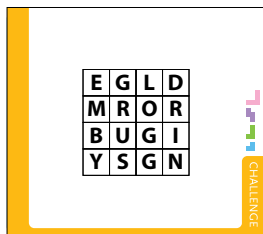
 – All Puzzle Pieces are used.

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

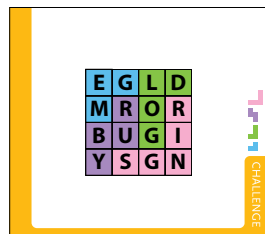
Steps To Play:

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!

Example:



Blank challenge



Correctly solved challenge

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

ACCEPTABLE WORDS:

PathWords® 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

1
COP
EACH
LIMB
PLANT

A	L	P	E
T	N		A
P	O		B
C	L	I	M

2
BLOOM
BONGO
LOGO
MOON

O	G	O	B	L
L	N		B	O
O	O		O	O
M	O	G	N	M

3
DEAN
HUM
LACE
LICIT

		D	E	U	H
		C	E	A	M
	L	A	T	N	
L	I	C	I		

4
BOX
FLAME
JAZZY
ORDER

		E	M	A	
B	Y	Z	Z	A	L
O	X	R	O	J	F
R	E	D			

5
APRON
RARE
THICK
SIGHT
WRECK

H	I	C	A	R
T	W	K	R	S
E	R		E	I
C	A	T	H	G
K	P	R	O	N

6
CHICK
CHUCK
CLICK
CLUCK

	U	H	C	
K	C	C	H	C
C	K	L	I	
U	L	I	C	K
	C	C	K	

7
CIVIC
CIVIL
INK
MIMIC
SILK

C	I	V	I
C	I	V	C
	M	I	
	I	L	
	M	I	
N	I	C	K
K	S	I	L

8
ADULT
FAULT
GOLD
HAUL
LAUGH

	A	D	L		
U	D		O	G	
L	A	U	L	L	L
T	F		T	A	U
			L	L	U
			A	U	G
			H		

9
AGE
DEBUT
STIR
SWAN

S	T	U	B
W	A	N	E
A	R	I	D
G	E	T	S

10
FALL
FILM
ILL
LLAMA

L	M		
I	A		
F	M		
L	A		
L	A	F	L
L	L	I	L

11
ALPHA
MET
PLAY
TORE

		E	R	E	M
		A	Y	O	T
	P	L	A	T	
A	H	P	L		

12
LATEX
PLATE
SPLAT

L	A	T	E	X
P	L	A	T	E
S	P	L	A	T

13
CONIC
GOING
ICON
IGLOO
LOGIC

C	I			
C	G	O	G	O
I	N	L	I	
N	O	I	N	
O	C	G		G
C	I	L	O	O

14
BONY
BOY
HOBBY
HOLLY
ONLY

	O	L	L	Y	H
Y	H		Y	O	B
N	O		L	Y	B
	B	O	N		Y

15
FIFE
FIFTH
FIFTY
FILTH
FLUFF

	Y	T	F	I
	F	T	H	F
	L	L		
F	U	I	F	
F	F	T	H	
	I	F		
	F	I		
	E	F		

16
COWBELL
COWBOY
COWHIDE
COWLICK
SCOWL

	L			B	
	I	C	K	E	
	L	O	B	L	
	S	E	Y	L	
		D	I	H	

17
LIPS
NOW (WON)
TEAL
TERSE

	O	N			
E	W	T	P	I	L
S	R	E	S	A	L
			T	E	

18
ERR
HURRY
MARRY
MYRRH
ROAR
RUMOR

	R	R		Y	R	
	E	M	Y	R	R	A
	R	U	H	R	H	M
	R	U	R			
	Y	M				
	R	O				
	A	R				
	O	R				

19
CHIC
WHICH
WITCH
WITH

H	T		W	H
C	I	W	H	C
I	H	C	I	T
H	C		W	I

20
CUMIN
HUMID
TULIP
TUNIC
UNIT

I	D			U	N	I
M	N			T	T	
U	I	P	I	L	N	I
H	M	U	C	U	T	C
				U	N	I

Solutions – Intermediate

21
CLIP
EMU
GRAM
NURSE

C	L	E	M
N	I	P	U
U	M	A	R
R	S	E	G

24
CITY
ICY
IMPLY
LILY
LYRIC

L	Y	I	L
	R	L	
	I	Y	Y
	C	Y	I
	P	L	I
I	M	Y	T

27
ACORN
CORK
KOALA
LOCAL
OAK
ROAN

		C		L	A	L
	R	O	O	A		A
	K		K			O
K	R	O	A	N		A
A	O		N	R	O	C

29
DAIS
MAPLE
MAX
YOGA

	S	Y	E	L
A	I	O	X	P
D	A	G	A	M

22
HERON
RAID
TYPE
WASTE

O	N	S	A	W	D
R	E	T	P	E	I
E	H	T	Y	R	A

25
ARMY
LAIR (RIAL)
GLOVE
VAN

V	Y	M	R
N	A		A
E	V		I
O	L	G	R

23
BOOST
OOPS
SHOO
ZOO

S	P	T	S
O	O	O	O
O	O	O	O
H	S	Z	B

26
BUY
DUTY
JUMPY
JURY
RUMMY
TRULY

R	Y		Y	D	U		T
U	J	Y	U	B	T	Y	R
J	U	M	M	U	R	L	U
	M	P	Y				Y

28
ABBEY
BARB
BULB
EBB
LOBBY
TABBY

R	B
A	Y
B	B
O	B
L	L
B	Y
B	B
B	U
B	E
B	Y

30
BUCKEYE
HOCKEY
HOKEY
SOCKEYE
TURKEY
TURNKEY

	S	T					
C	O	U	R	N		C	
		E	R		O		
E	C	T	U		H		H
		U	B				

Solutions – Intermediate

31
 BAYOU
 BERET
 SEA
 THING

			B	
			E	
T	E	R	T	
A	Y	O	H	
B	S	U	I	
A	E	G	N	

34
 BOW
 GENE
 OXEN
 PIANO

			O	
P	E	X	E	N
I	N	B	O	E
A	N	O	W	G

37
 ALLAY
 APPLY
 AWRY
 HAPPY
 KAYAK
 YAWN

	H	A	P	A		Y
	A		P	P	P	L
R	W	K	Y	L	A	Y
Y	Y	A	A	L	N	
K	A		Y	A	W	

39
 ACHE
 ACME
 ALE
 CACHE
 CAMEL
 PEACH
 PLACE

			E			P	L	E
	P	M	C	A	E	A		
A	L		H	C	A	H	E	
C	E	M	A	E	A	C		
E	L		C	H	C	A	C	

32
 COUCH
 COUGH
 GHOUL
 GOUT
 LOUT
 YOU
 YOUTH

		U	O	C				
G	C	H	T	U				T
O	H		H	O	Y	O	U	
U	T	U	G	Y	L	L	G	
	C	O	U	O	U	O	H	

35
 DUET
 ILK
 MASH
 QUITE

I	T	E	M
U	H	S	A
Q	U	D	I
T	E	K	L

38
 EKE
 EWER
 LEVEL
 LEVER (REVEL)
 WEEK

		R	E	W
R	E	L	E	
E	V			
V	E	L		
E	L			
W	E	E	K	
	E	K	E	

40
 INN
 KNOWN
 NOON
 NOUN
 ONION
 UNION

	N	O	U		N	I
	O	N	N		N	N
I	N	O		O	O	
N	O			K	N	N
U	N			N	O	W

33
 APPLE
 PAPER
 PIPE
 PUPA
 PUPIL
 UPPER

A	P	U	P	
P	P	P	U	P
E	E			A
R	R			E
P	I	L	P	L
U	P	A	P	
P	I			
E	P			

36
 POOR
 POT (TOP)
 ROTOR
 SORT
 SPORT
 STOOP
 TORSO
 TROOP

			R				
			O	T			
	P	O	O				
	O	S	R	T			
O	T	O	O	R			
R	T	R	S	P	O		
O	R	O	O	P	T	T	
P	O	S	T	S	P	O	R

Solutions – Advanced

41

M	U	I	S	Φ	A
E	D	τ	D		
R	ρ	N	C		
π	D	E	H		
M	E	S	μ		
M	η	D	A		
O	I	α	B		
A	ξ	L	S	E	T

ALPHABET
AMUSED
APHID
AXIOM
DETAILS
EMPIRE
RHODIUM
STAUNCH

44

	E	M			M	R	
E	R	O	B	M	A	E	M
M	A	B	M	A	M	B	O
O	M		A	M		E	R

AMBER
MAMBA
MAMBO
MERE
MOM
MORE

47

G						E
O	L					H
E	A			A	S	T
A	U	B			C	O
L	L	O	H			
P	L	D	M	A		
		E				

BULLDOG
CATALOG
CATHODE
DOGMA
PLACATE
SCATHE
TOCCATA

49

		N	A		
A	N	A	S		
M	A	G	A		
L	A			M	G
A	M			A	A
P	M	A	G	M	M
A	P			A	M

GAMMA
MAGMA
MAMA
MANNA
PAPAL
SAGA

42

D	D	U	D	
E	O	D	A	O
R	D		D	
D	E		S	D
I	D	A	O	I
S	D	E	D	

ADD
DADO
DIODE
ODDS
SIDED
UDDER

45

	E	X			
A	W	I	T		
N	O	L	O		
E	C	H	E	L	P

AWE
HELIX
ONCE
PLOT

48

		L	P	A	
D	I	A	E	P	E
E	L	I	X	A	R
		T	E	S	

APEX
ERASE
PLAID
TILE

50

	S	S	I
S	S	I	M
E	S		
N	U	E	S
S	E	E	S
		M	S
U	S	N	U
M	S	I	

ISSUE
MESS
MISS
SENSE
SINUS
SUM

43

M	A	R	L	O	W	
O	D	B	E	Z	E	
R	E	L		E	R	O
A	L	O	M	V	I	L

LOWER
MODEL
MOLAR
OLIVE
ZEBRA

46

R	Y		Y	D
R	E		C	D
H	Y		Y	E
	M	E	C	
	M	Y	L	E
	E	D	E	
	N	E	N	Y

CYCLE
DENY
EDDY
ENEMY
RHYME
RYE

Solutions – Advanced

51
 EGO
 ELOPE
 GEODE
 OOZE
 OZONE
 PEKOE

N	O	Z	O	D	E
E	O	O	E	O	
E	Z		G	G	E
L	E	P	E	O	
O	P	E	K	O	E

54
 GURU
 LUAU
 LUG
 USURP
 USURY

U	G		Y	R
L	U		U	U
U	R	U	S	S
G	P	R	L	U
U	A	U		

57
 AVID (DIVA)
 LIVE (EVIL)
 LIVID
 VALID
 VALVE
 VIE

I	E			D	I
V	D			D	V
E	I	V	A	I	I
V	L	V	A	L	L
	A	V	I	L	
		E	V		

59
 BISHOPIC
 CROOKED
 KNIGHTHOOD
 QUEENLY
 SPAWNING
 STRIKING

I	♠	D	O	C	
T	R	I	C	O	E
S	♠	R	H	S	L
		G	N	I	Y

52
 BUGLE
 BULGE
 CLUE
 DUEL
 EDUCE
 FUGUE

C	L		U	G	U	E
E	U		F	U	D	
C	E		L	E	G	E
U	D	E	U	B	L	
	E	L	G		U	B

55
 CALF
 DEMUR
 EBONY
 HIRE
 USE
 WHISK

R	E	S	K		
H	I	Y	I	C	A
S	E	N	H	D	L
U	B	O	W	E	F
	E	R	U	M	

53
 BUD (DUB)
 JUNCO
 ROUGE
 STUCK

				E
	J	U	D	G
	U	B	O	U
	N	K	R	S
O	C	C	U	T

56
 AGENT
 BLOCK
 HAT
 IDYLL
 INTO
 MUSE
 SATIN
 VENUE

Y	L	L	U	M	A
D	B	E	S	E	G
I	L	O	T	N	N
T	O	C	H	A	I
N	V	K	E	T	T
I	E	N	U	S	A

58
 AUK
 KICK
 KINK
 KIOSK
 KNACK
 SKINK
 SKUNK

N	K				
I	K				
K	S				
S	O	I	K	K	
K	I	N	I	C	
N	K	K	K		
A	K	N	U	K	U
C	K		K	S	A

60
 ADVANCE
 CARAVAN
 CAREFUL
 DISCARD
 SCARCE
 VANITY

				D	E
			E	I	C
A	D	U	F	S	S
A	C	L	D	I	S
	E			Y	T

Solutions – Expert

61

	K										
ANGER	A	E									
ARTS	Z	R	C								
CREAK	O	O	A	S							
FOLIO	N	D	D	E	S						
OASES	E	D	O	O	N	A					
ODD	R	T	S	I	G	N	I				
THIN	A	F	O	L	E	R	H	T			
ZONED											

64

	T	U	A	N	C	E					
AUDIO	O	D	D	U	P	D					
DART	B	I	O	N	A	A					
DUNCE	O	R	L	E	T	R					
PANEL											
ROBOT											

67

				A	P						
AGONY	R	B	E	L	T	D	A	L			
BAIL	A	I	A	B	P	E	Y	B			
BLADE	V	L	S	L	E	O	N	G			
BRAVE	E	N	E	X	A	G	R	U			
PALE											
RUG					A	W					
SLEPT											
WAXEN											

69

	M	A	R	O	R	R					
AROMA	O	C	O	M	A	U					
BURRO	T	H	A	S	I	B					
LEIS	O	R	T	E	E	L					
MOCHA											
TORTE											

62

	T	R	O	T	O	O	T				
TOOTH	O	T	T	U	O	O	T				
TOT											
TOUT			T	T	R						
TROT (TORT)			O	U	T						
TRUTH			T	T	H						
TUTOR			R	U	T						

65

	U	P	S	T	H	T	A	E			
COAT	M	O	U				T	A	H		
HEATH	A	J					O	C			
JOUST	S	O					M	O			
MOVIE	P	W	L				E	R	V		
OWL	A	T	E	T	O	W	E	I			
PUMA											
SPATE											
TOWER											

68

	C	E	R	E	A	L					
ACE	A	D	O	R	E	S					
ERODE	D	E	F	E	A	T					
EXILE	E	L	I	X	I	R					
FILED	F	E	L	I	N	E					
FRANK	R	A	N	K	L	E					
REAL											
REEL (LEER)											
STAIN											

70

	C	A	S	M	L	I	A				
AGAIN	S	L	I			A	M				
AGING	A			L		C	I				
AIM	L	I			A	G	A	G			
ALIAS	A	L	S		I	A	M	A			
ALMS	M	I			N	G	I	N	G		
LILAC											
MAGIC											
SLIM											

63

	A	L	A		O	G	R				
ALLOT	O	R	V	A	N	O	A				
AORTA	K	T	A	T	O	I	C				
BUNK	N	U	B		L	L	A				
CARGO											
ION											
LAVA											

66

	S	Q	U	I	Q	U					
APACE	E	U	C	R	E	E					
AQUA	D	A				T	S				
CUES	I	P				R	U				
QUEST	U	A	C	E	L	E					
QUIRE	Q	S	A	Q	L	O					
RUE											
SQUID											
TROLL											

Solutions – Expert

71
 ACRE
 BALSAM
 BAY
 BEIGE
 BROOM
 GNAWS
 IDOL

	L			
I	D	O	W	S
E	G	N	A	A
G	I	E	B	S
R	B	B	A	L
O	E	R	Y	A
O	M	C	A	B

74
 AIL
 BREED
 CRUSH
 ELAN
 LYRE
 PYLON
 UNZIP
 URGED

L	E	U	E	N	O
A	G	R	R	Y	L
N	E	C	R	L	Y
L	D	B	U	S	P
I	A	R	U	H	P
D	E	E	N	Z	I

77
 ABACI
 ATONE
 IRKS
 ITCH
 KRAIT
 QUAIL
 QUOTE
 STY

			Q			
A	T	O	U	A	I	L
Y	T	N	I	R	T	I
H	S	E		K	S	A
C	E	T	I	C	K	R
T	I	O	U	A	B	A
			Q			

79
 LET
 LODESTAR
 MUSTARD
 PODIA
 RINK
 SCORE
 STARTING
 STARTLED

*	L	E	M	P	O
E	D	T	U	*	D
R	O	S	C	D	I
I	L	*	O	R	A
N	K	T	D	E	*
G	N	I	E	L	T

72
 ASKEW
 CRY
 EXERT
 OUTDO
 RADII
 RIND
 TRADE
 WALL

A	D	I	I	N	D
R	U	O	R	I	E
D	T	R	Y	E	X
O	W	C	A	R	T
L	E	K	S	T	R
L	A	W	E	D	A

75
 ADAGE
 HEX
 LORE
 NYLON
 TOGA
 TRACE

A	G	O	N		
A	C	E	T	Y	L
R	A	D	A	G	O
T	X	E	R	E	N
E	H	O	L		

78
 AWAY
 CURIOSITY
 INFER
 LOSER
 OUCH
 TAX
 VERVE
 VINYL

R	E	C	U	R	L
A	S	O	L	I	Y
W	A	Y	V	O	N
E	R	R	E	V	I
F	E	V	U	O	X
N	I	H	C	T	A

80
 CHARTER
 FRANC
 GENIE
 POSTAGE
 RESET
 UNBUCKLE
 UPSTAGED
 WHO

P							
O	🐼						
O	E	T					
H	W	E	S				
U	P	🐼	E	F			
E	R	E	R	R	A		
🐼	G	D	E	U	N	C	
C	E	N	I	N	🐼	L	E

73
 CHIEF
 CHIVE
 IMPEL
 ISLE
 KNIFE
 PIER
 TIE
 YIELD

L	E	I	H	C	V	E
	P	E	C	H	I	
	M	F	Y	I	T	I
	I	E	F	E	L	E
	S	I	I	P	D	
E	L	K	N	I	E	R

76
 ANDANTE
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