

# BRAIN

# Games

There's nothing more important than training your brain!

## SUDOKU

### Rules of the Game:

Fill the grid with the numbers 1 to 9 in such that each number is only used once in each row, column, and region (marked 3 by 3 block).

8		7			4			9
1		9	8		2	3		7
	3	5			7	4		6
6		4	7	8		9	3	
9		3			1		7	
7	8				3	1	4	
	7	1	4		9	8		3
4	2		3	7	6		9	1
3	9		1		8	7		4

## RIDDLE ME THIS!

(Answers found below)

1. What is the most uninteresting of all the periodic elements?
2. What is neither water nor land, and is always soaking wet?
3. I was once an old massive star and soon I will be a brightly colored gas cloud, but for now I am a massive explosion. What am I called?
4. Give it food and it will live; give it water and it will die. What is it?
5. What period of time has the least weight?
6. Did you hear the one about a chemist who was reading a book about helium?

1) Boron, 2) Wetlands, 3) Supernova, 4) Fire 5) A light year, 6) He couldn't put it down

## MATHEMATICS WORD SEARCH

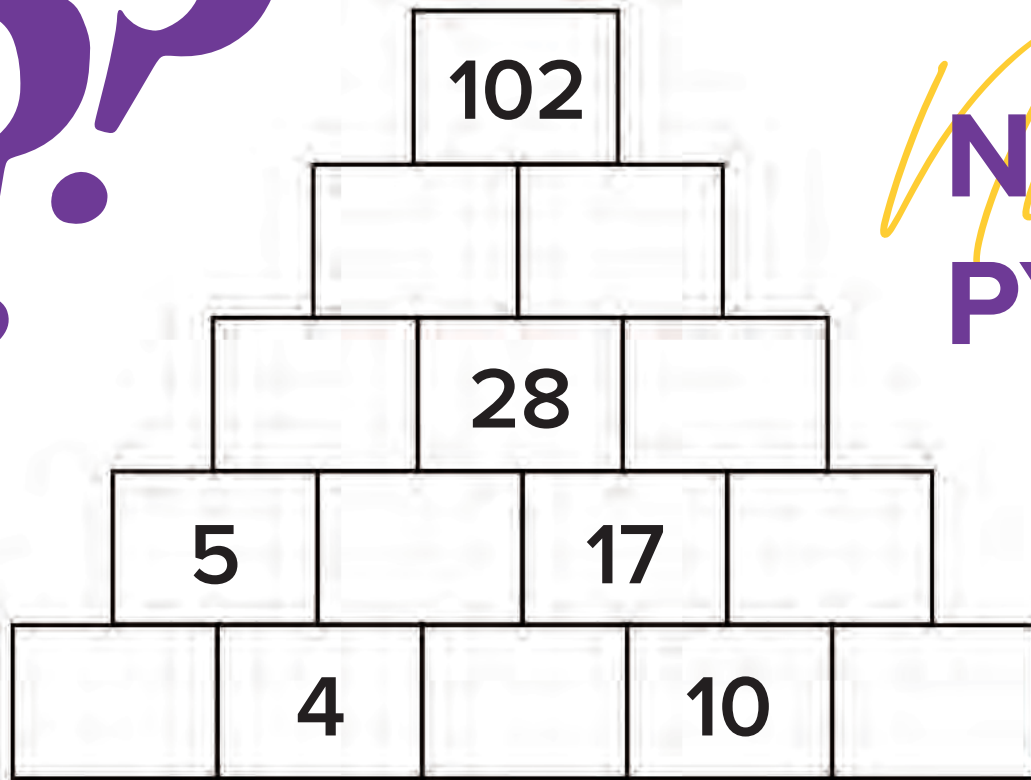
A X M F J C S Z J O F O J U D K G O G Z R A  
 N P O T W C O M P A R E H R D P J D J F D N  
 G E N G S P L O R M L H N L J L X G L T E U  
 L R F A C E I Q U A D R I L A T E R A L C M  
 E I A G B V D I A M E T E R C E O V P K I B  
 M M C P B J F M D E C V I R B P C R Q N M E  
 E E T R H T I X H C O O E H X A T J N T A R  
 A T O O D E G R E E M I M R G M P M O T L L  
 S E R D F D U S B H P U O P T Q Q W T V P I  
 U R S U M G R G V A O F X S O I J Q S W O N  
 R S Y C B E E T Q Z S N I J T S C D G L I E  
 E T O T C N A C U T E A N G L E E A N Z N B  
 D E C I M A L F R A C T I O N H I A L Y T T  
 Q N B U N L I K E D E N O M I N A T O R S Q

ACUTE ANGLE  
 COMPOSE  
 DECOMPOSE  
 EDGE  
 GRAPH

PRODUCT  
 UNLIKE DENOMINATORS  
 ANGLE MEASURE  
 DECIMAL FRACTION  
 DEGREE

FACE  
 NUMBER LINE  
 QUADRILATERAL  
 VERTICAL  
 COMPARE

DECIMAL POINT  
 DIAMETER  
 FACTOR  
 PERIMETER  
 SOLID FIGURE

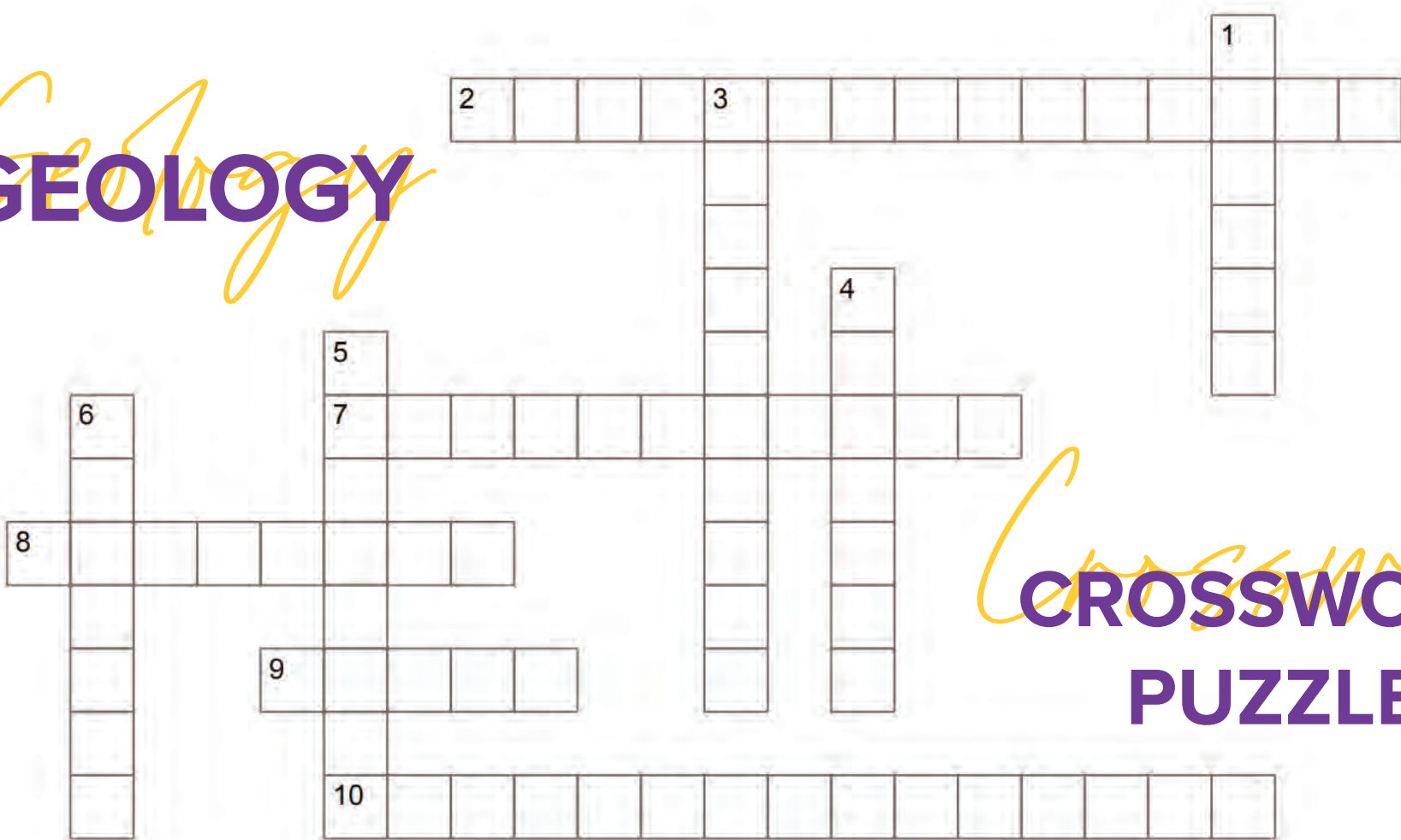


*Number*  
**NUMBER  
PYRAMID**

**Rules of the Game:**

The number of each square in the pyramid is the sum of the two squares directly under it. Can you complete the number pyramid?

*Geology*  
**GEOLOGY**



*Crossword*  
**CROSSWORD  
PUZZLE**

**ACROSS**

- 2. Rock altered by pressure and heat
- 7. Rock formed by the solidification of molten magma
- 8. The property of being rigid and resistant to pressure; not easily scratched; measured on Mohs scale
- 9. Molten rock in the earth's crust
- 10. Rock formed from consolidated clay sediments

**DOWN**

- 1. The remains (or an impression) of a plant or animal that existed in a past geological age and that has been excavated from the soil
- 3. Geologists use this to study different minerals that make up a rock's composition
- 4. A science that deals with the history of the earth as recorded in rocks
- 5. Solid homogeneous inorganic substances occurring in nature having a definite chemical composition
- 6. Very hard native crystalline carbon valued as a gem; can cut glass

**ANSWERS ON PAGE 15!**