

National Medical Laboratory Professionals Week

April 20-26, 2014

**MEDICAL
LABORATORY
PROFESSIONALS**

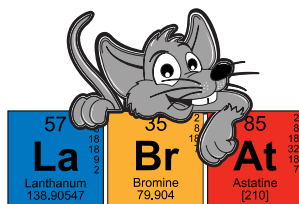


**Precision in
Every Decision**

Welcome to our Med Lab Extras pages. Here's what you will find:

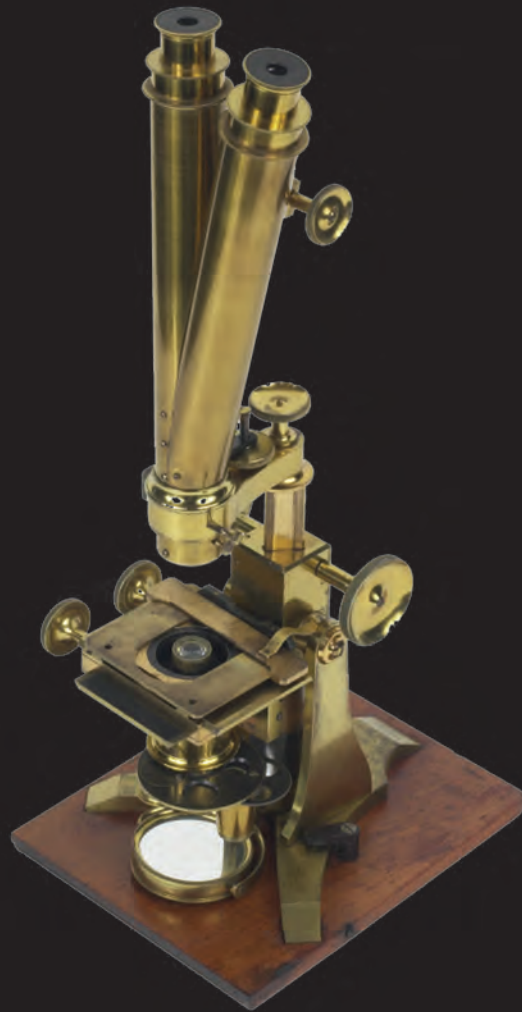
- The Medical Laboratory Over The Years Photo Gallery
- Notable Facts And Events About Medical Laboratories
- Without The Lab You're Only Guessing Crossword Puzzle
- Medical Laboratory Professionals: Helping People One Test At A Time Word Search Puzzle
- Medical Laboratory Professionals: The Team Behind The Scenes Word Search Puzzle
- Lab Rat Maze Puzzle

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THE MEDICAL LABORATORY OVER THE YEARS PHOTO GALLERY

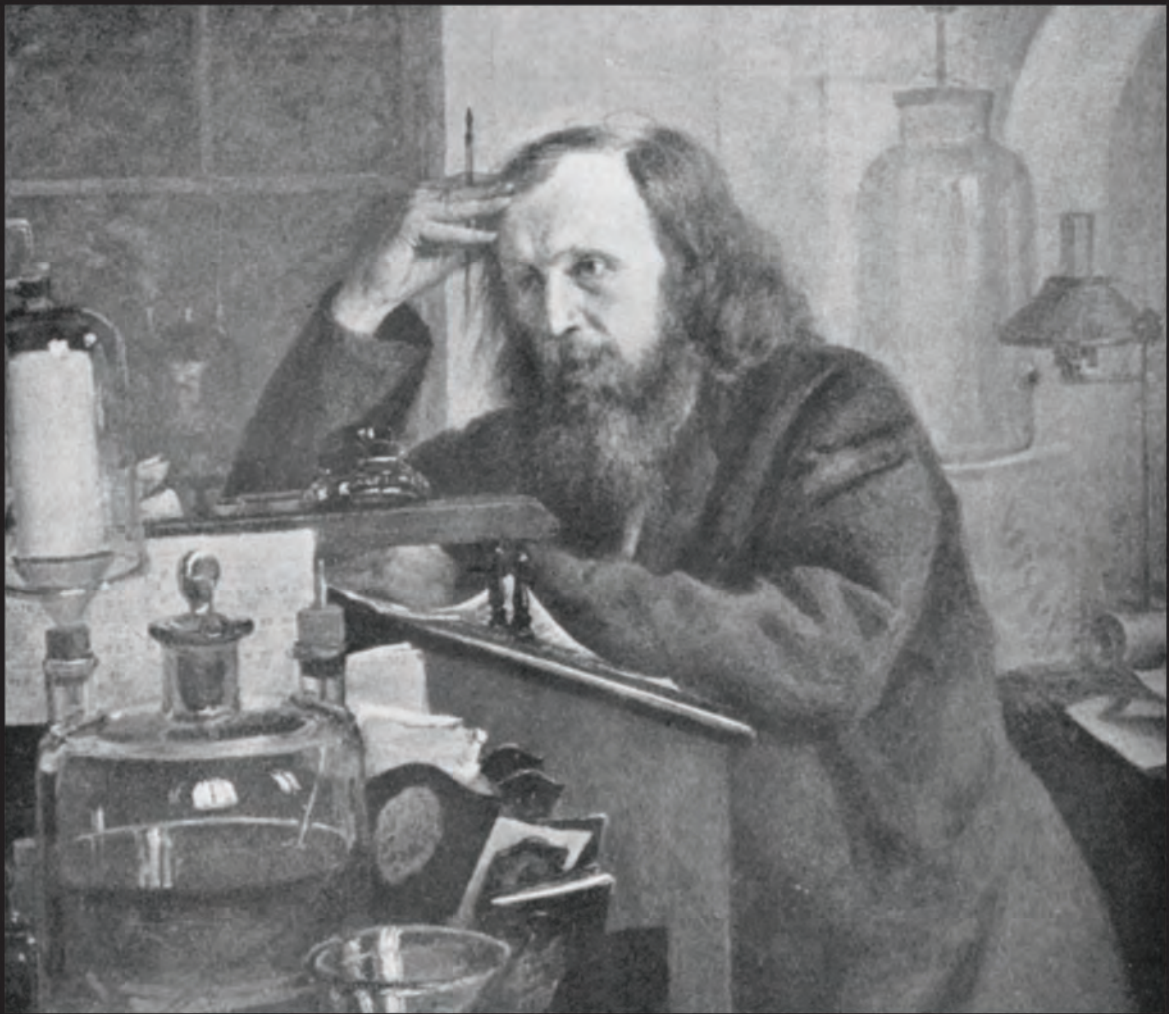
**The medical laboratory has come a long way,
as these historic photos demonstrate.**



Antique brass microscope, date unknown



Scientists in the physics lab at the Sorbonne in Paris, France



Russian chemist and inventor Dmitri Ivanovich Mendeleev (1834-1907) at work. He was an early developer of the periodic table of elements.



A woman working in a Czechoslovak laboratory c.1950



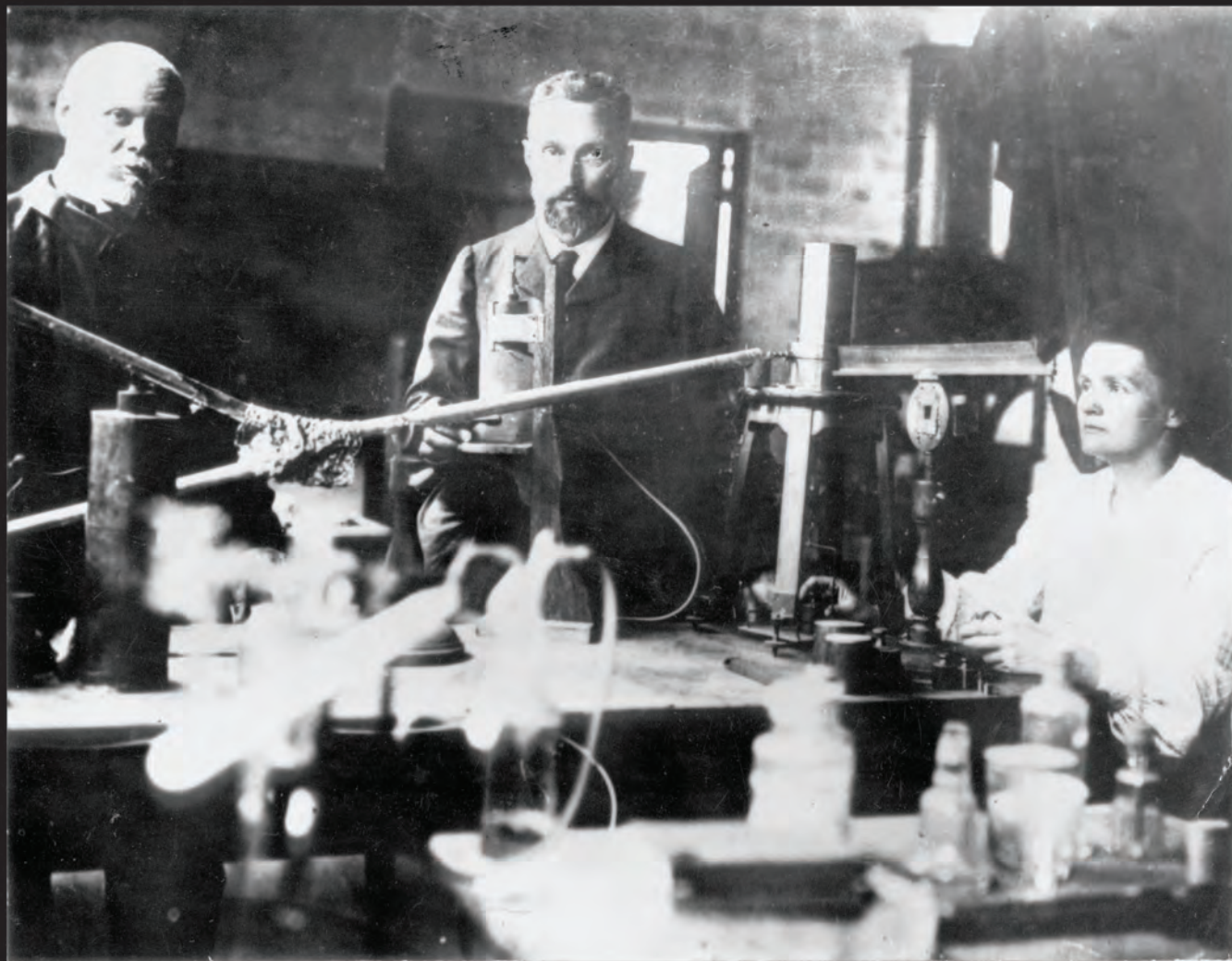
Pharmaceutical equipment and medicines dating to around 1900



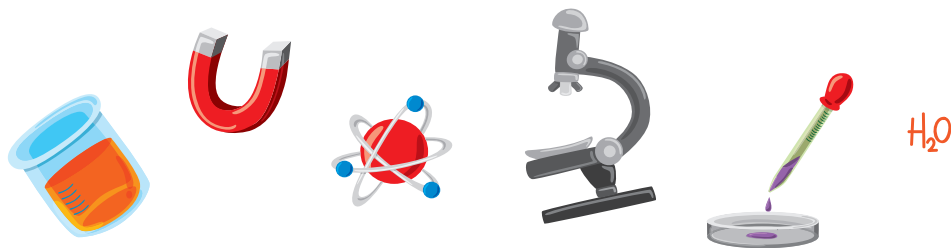
Lab glassware and holder, date unknown



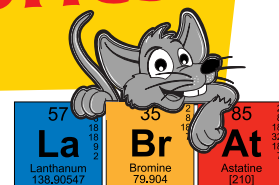
Polish-French scientist Marie Curie (1867-1934), who was a pioneer in the study of radioactivity



Marie Curie (at right) in a lab with fellow scientists



Notable Facts And Events About Medical Laboratories

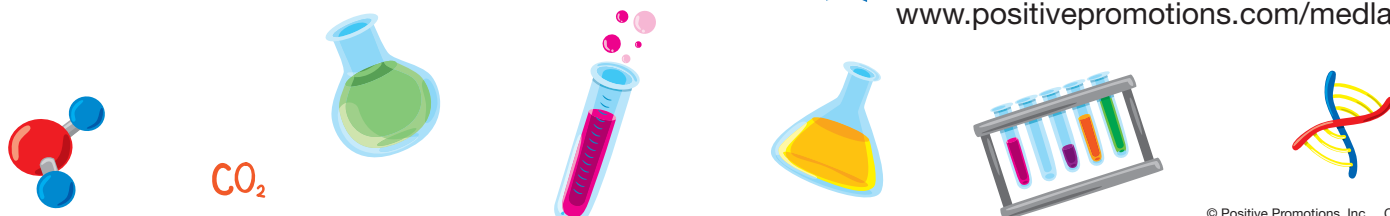


NOTABLE FACTS

- Diagnostic tests play a role in more than 70 percent of doctors' healthcare decisions in the United States.
- More than 7 billion laboratory tests are performed in the United States each year.
- There are more than 2,000 different laboratory tests available on blood and body fluids.
- Pathology and laboratory science are among the fastest-growing professions in the United States.
- More than 250,000 Americans work in medical laboratory services.

NOTABLE EVENTS

- The compound microscope was invented around 1590 by Dutch spectacle-maker Zacharias Janssen.
- William Harvey of England first described the circulation of blood in 1828.
- Danish scientist Hans Christian Gram developed the method of staining bacteria that bears his name in 1848.
- Test tubes came into use in the 1850s.
- The medical hypodermic syringe was developed in 1853 by French surgeon Charles Pravaz and Scottish doctor Alexander Wood.
- German microbiologist Julius Richard Petri invented the Petri dish in 1887.
- Polish-French physicist Marie Curie's groundbreaking work in radiation research in the late 1800s and early 1900s led to the use of X-rays and other advances in medical treatment.
- Austrian Karl Landsteiner discovered the existence of different human blood types in 1901.
- The electronic centrifuge was introduced in 1912.
- British biophysicist Rosalind Franklin's X-ray photographs of DNA in the early 1950s set the stage for the discovery of DNA's double-helix structure.





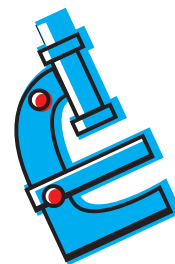
Without The Lab You're Only Guessing CROSSWORD PUZZLE

The clues aren't all laboratory-related, but the answers are. Use your imagination to make the connections.

Without The Lab

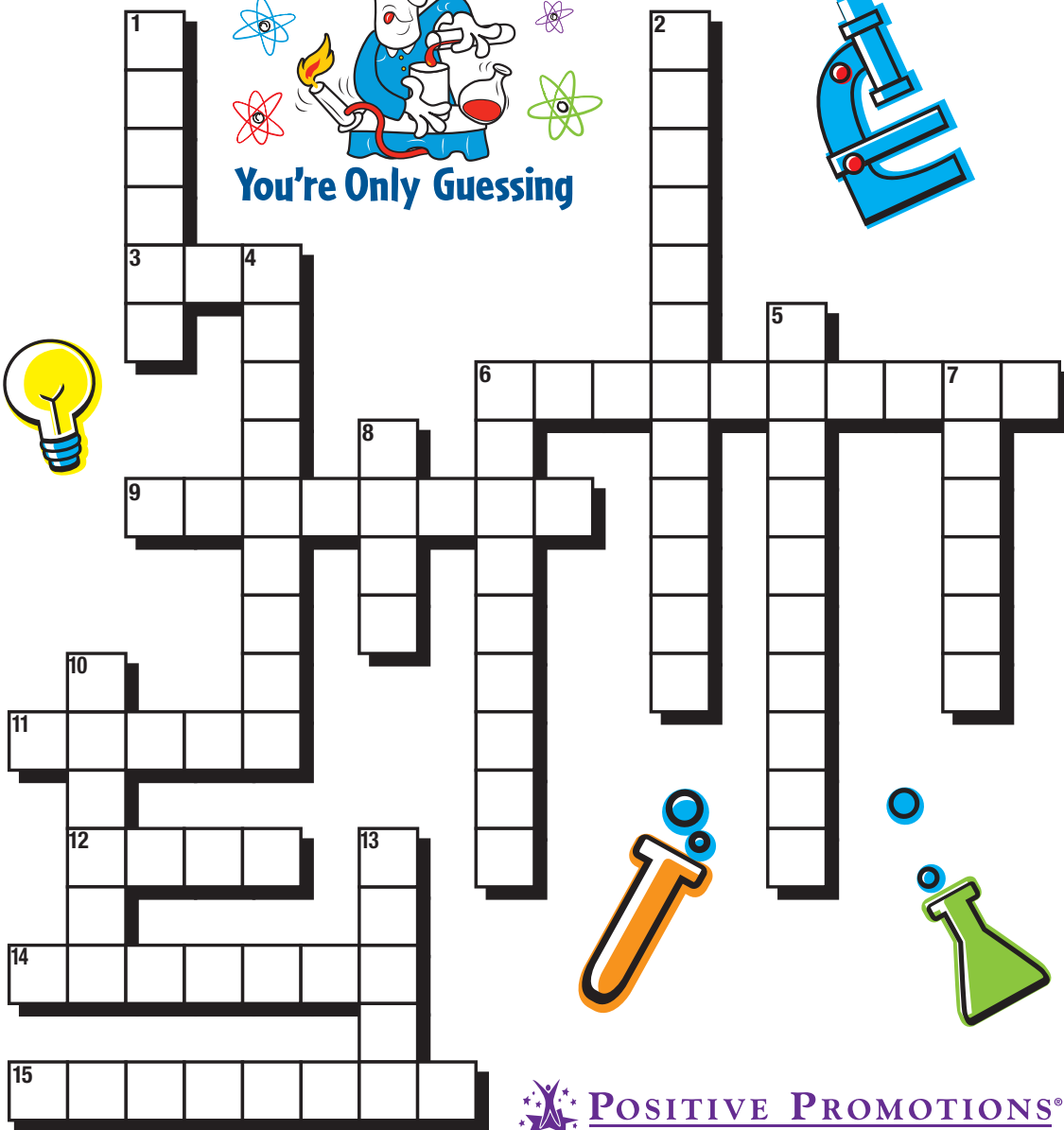


You're Only Guessing



DOWN

1. The sharp end of the syringe
2. Wants to take your blood
4. Symbolized by this: 
5. Provides a real close-up
6. Some couples have it, some don't
7. They're made of nitrile, vinyl, neoprene, or latex
8. Phlebotomists look for one of these
10. The liquid part of #11 Across
13. Has a dish named after him



ACROSS

3. A breed of dog that comes in black, chocolate, or yellow
6. It goes for a spin
9. The part of the blood cell that causes clotting

11. Type A, B, AB, or O
12. Right away!
14. The person who gets tested
15. Disease-causing microorganisms



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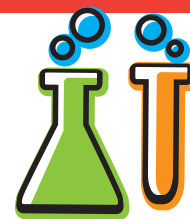
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HELPING PEOPLE **ONE TEST AT A TIME**

WORD SEARCH PUZZLE

In the Word Search puzzle, find and circle the words from the WORD LIST below. Look down, across, up, backwards, and diagonally. To find the hidden message, write the letters not circled in the blank spaces below. Start at the upper left corner of the Word Search and write the letters in order from left to right until you reach the bottom right corner.



WORD LIST

BLOOD
CELLS
CENTRIFUGE
CHEMISTRY
CURE
DIAGNOSIS
DISEASE
HEALTH
LABORATORY
MEDICINE
MICROSCOPE
PATHOLOGY
SCIENCE



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



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HIDDEN MESSAGE



The TEAM Behind The Scenes WORD SEARCH PUZZLE

In the Word Search puzzle, find and circle the words from the WORD LIST below. Look down, across, up, backwards, and diagonally. To find the hidden message, write the letters not circled in the blank spaces below. Start at the upper left corner of the Word Search and write the letters in order from left to right until you reach the bottom right corner.



WORD LIST

BACTERIA
BIOPSY
CULTURE
GLUCOSE
HEMATOLOGY
MICROBIOLOGY
NEEDLE
PHLEBOTOMIST
PLATELETS
SERUM
SLIDE
SPECIMEN
STAIN
STAT
SWAB
VEIN

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

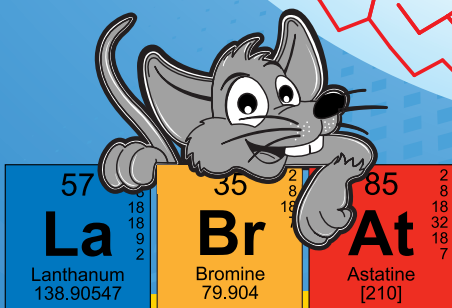
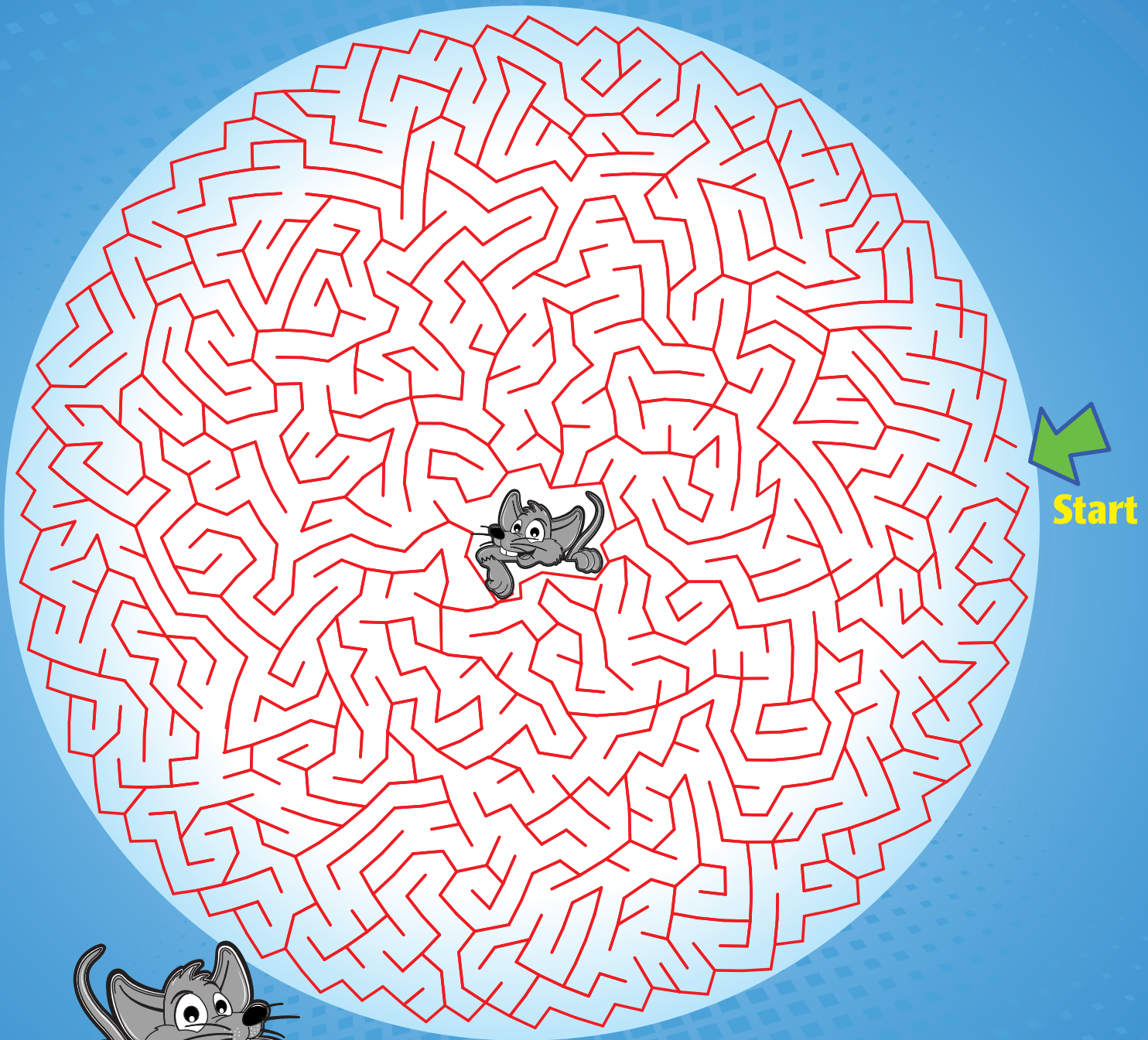


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HIDDEN MESSAGE

Medical Laboratory Professionals Lab Rat Maze



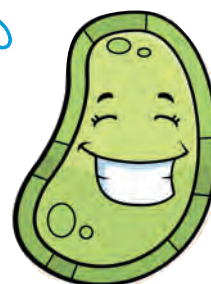
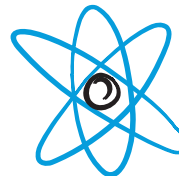
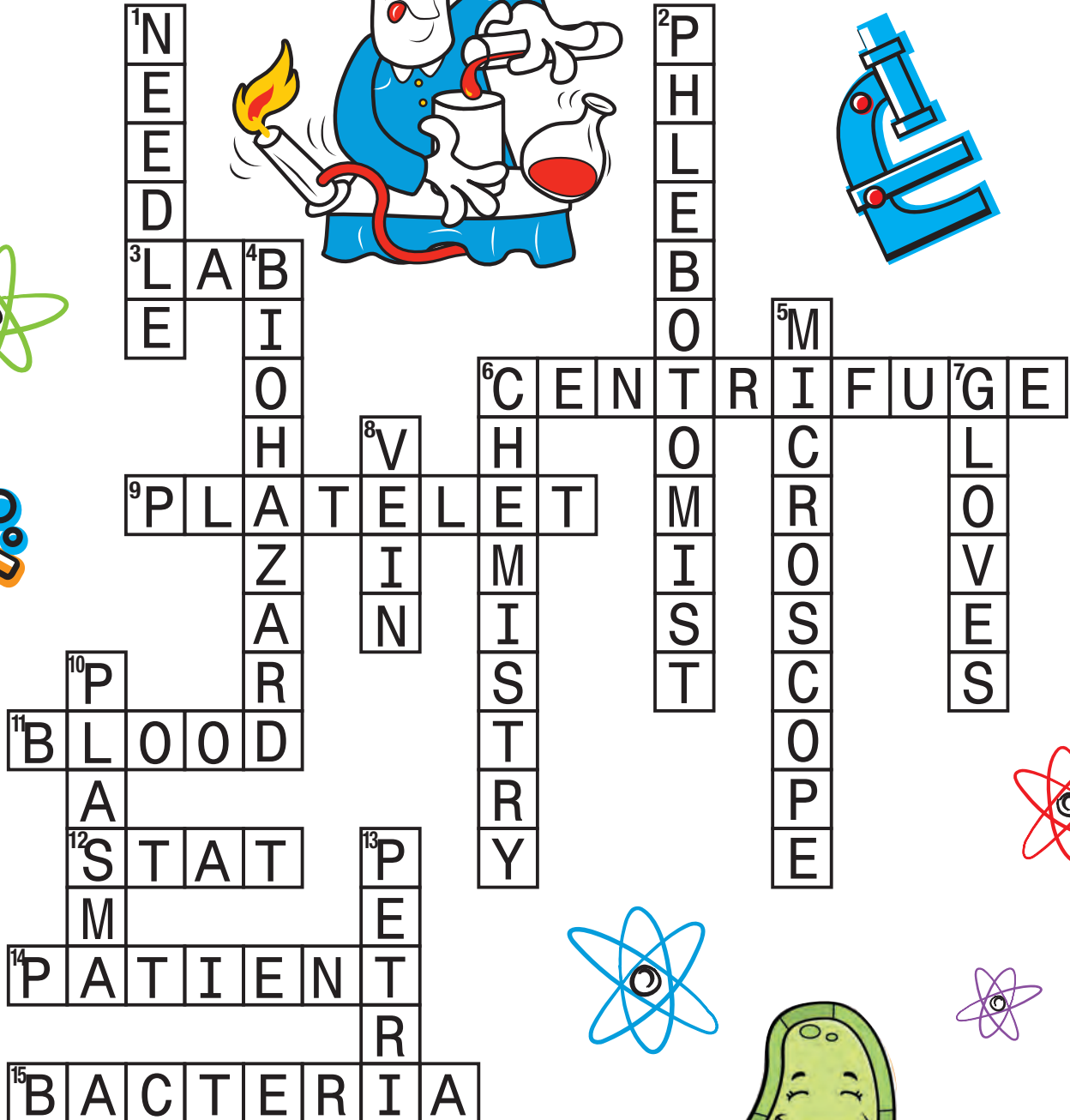
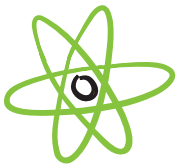
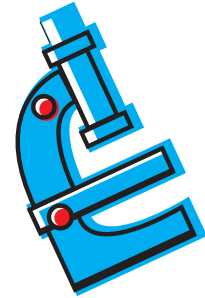
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Find the route from the start to the lab rat in the middle of the maze.



Without The Lab You're Only Guessing **CROSSWORD PUZZLE**

ANSWER



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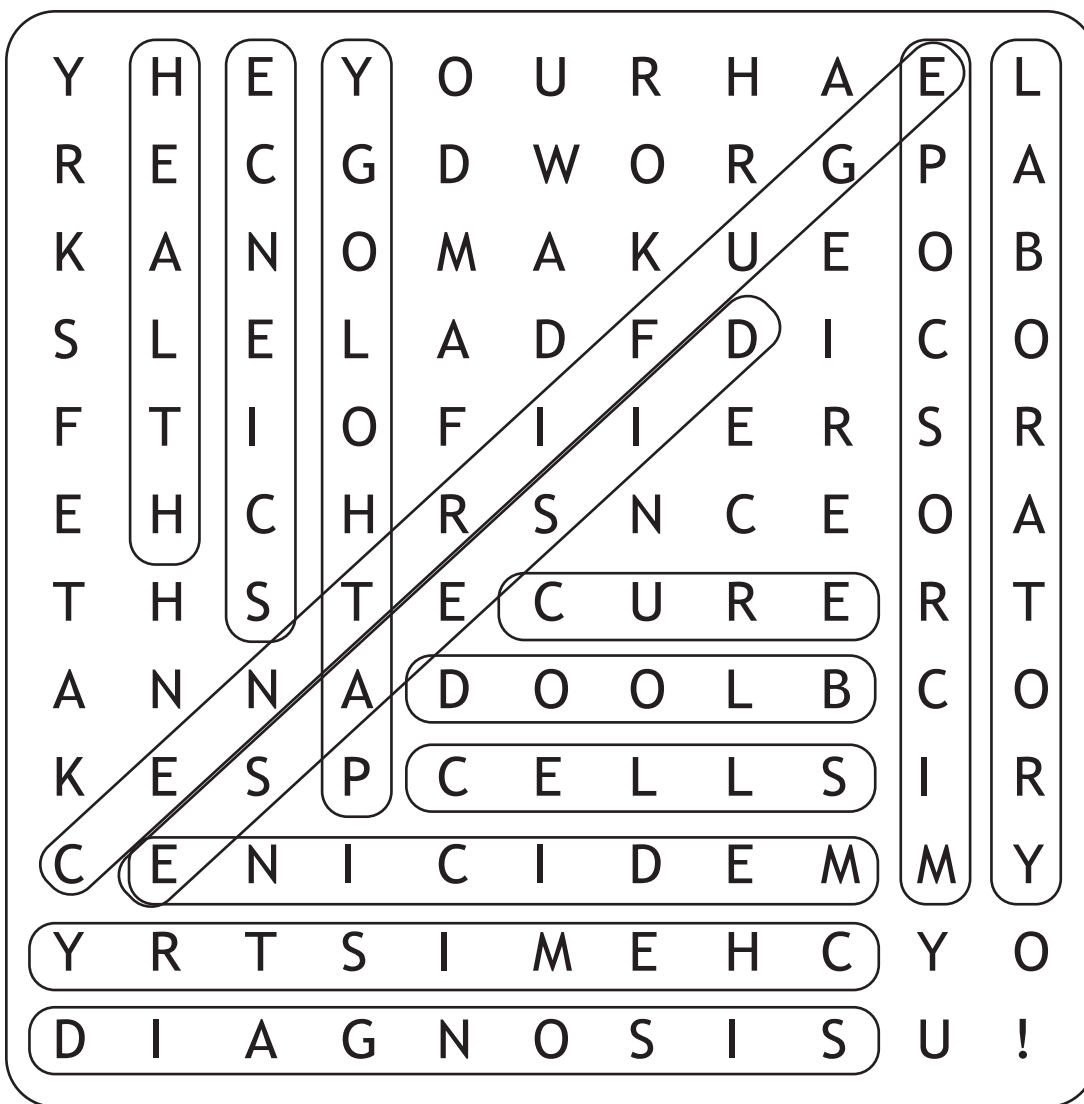
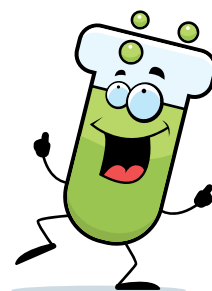
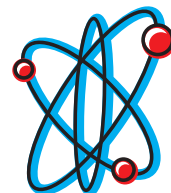
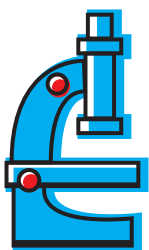


Medical Laboratory Professionals

HELPING PEOPLE **ONE TEST AT A TIME**

WORD SEARCH PUZZLE

ANSWER KEY



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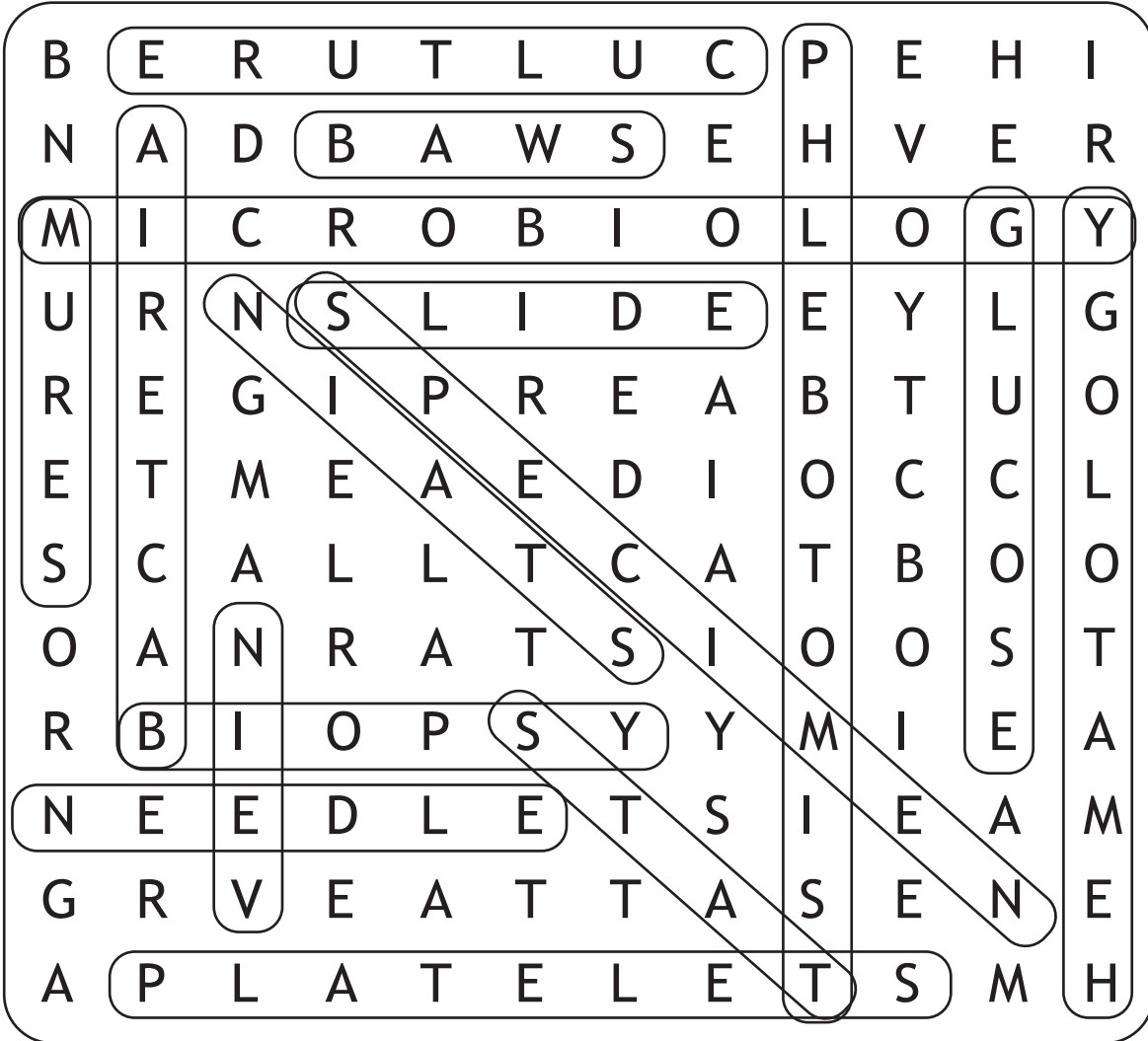
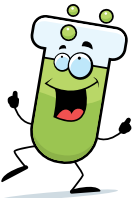
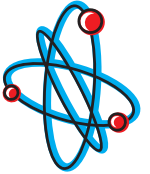
HIDDEN MESSAGE

YOUR HARD WORK MAKES A
DIFFERENCE, THANK YOU!



The **TEAM** Behind The Scenes WORD SEARCH PUZZLE

ANSWER KEY



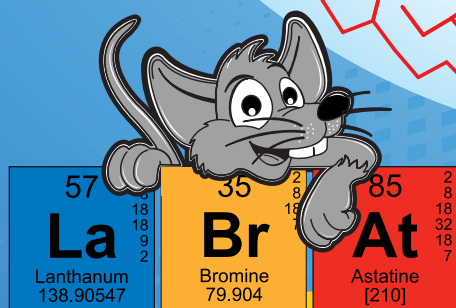
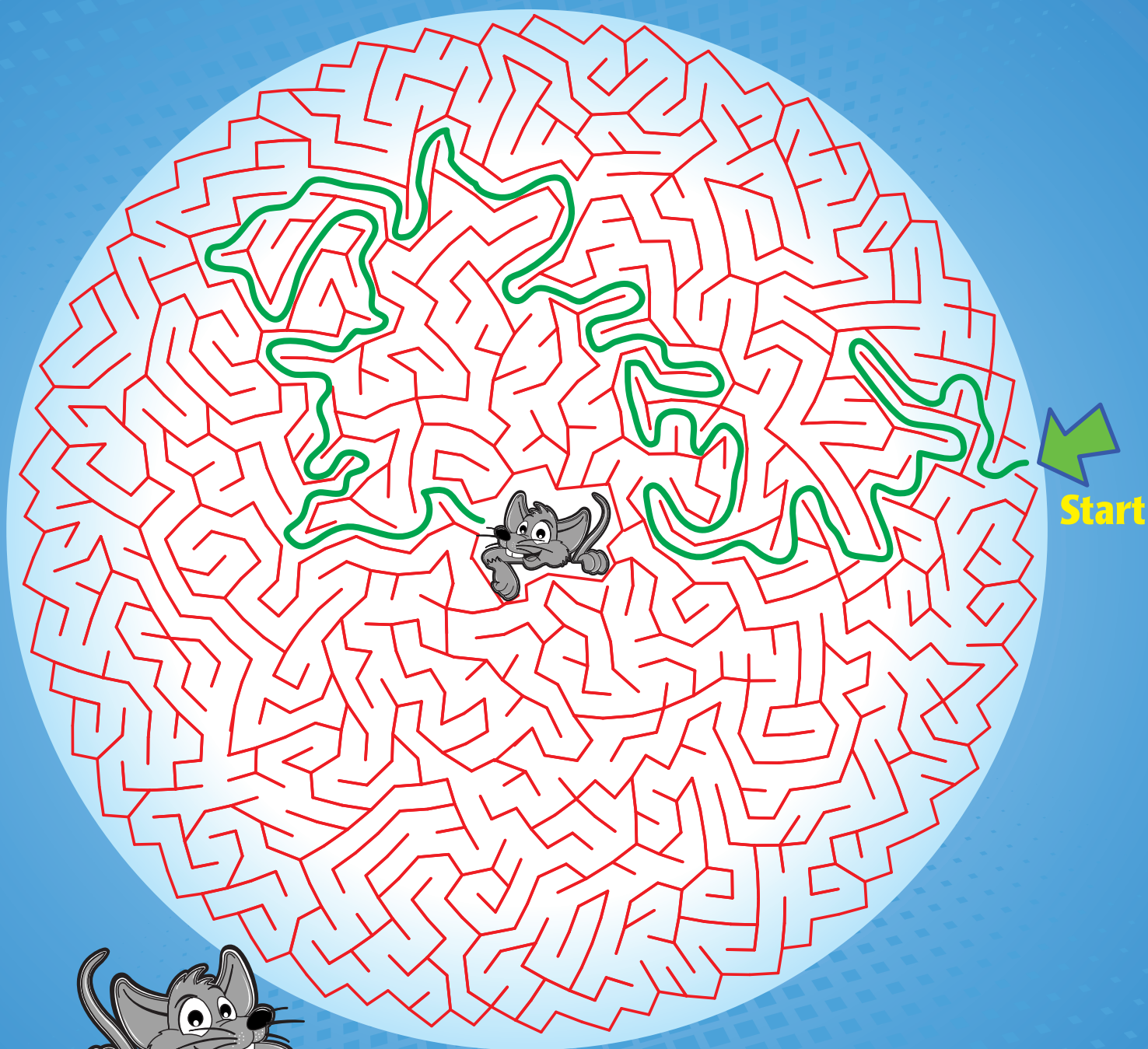
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HIDDEN MESSAGE

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

Medical Laboratory Professionals Lab Rat Maze



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Answer key for the Lab Rat Maze.