

WHAT IS ‘STEM’?

STEM stands for science, technology, engineering and math. Learning in STEM is all about asking questions, searching for answers, and discovering new ways to look at the world! Marine biologist, architect, astronomer, nuclear engineer and software developer are all examples of jobs in STEM fields. STEM skills make creators, thinkers, problem solvers, doers, innovators and inventors.

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LAVA LAMP

MATERIALS

- Bottle/Jar
- Water
- Effervescent Tablets
- Vegetable Oil
- Food Coloring

Credits

<https://www.youtube.com/watch?v=IvcPiDvmFJM>



INSTRUCTIONS

1. Fill the bottom of a jar with water (We filled our jar about 1/8 with water)
3. Add drops of food coloring
4. Break the Alka Seltzer Tablets into fourths

2. Fill the rest of the jar with vegetable oil nearly to the top



5. Invite your child to drop in a tablet and watch the magic!
6. Keep adding Alka Seltzer tablets and watch the magic continue!



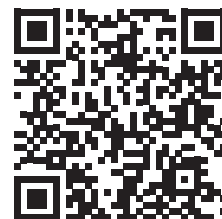
ELEPHANT TOOTHPASTE

MATERIALS

- Peroxide/Jar
- Water
- Food Coloring
- Dish Soap
- Yeast
- Bottle

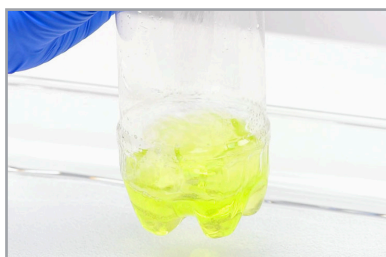
Credits

<https://onelittleproject.com/elephant-toothpaste/>



INSTRUCTIONS

1. Pour 1/2 cup of hydrogen peroxide into the bottle.
2. Add a big squirt of dish soap into the bottle, and swirl gently to mix.



3. If you want to make your foam a single color, add a few

drops of food coloring directly into the hydrogen peroxide, and swirl the bottle gently to mix. If you want to give your foam stripes like some toothpastes, put the drops along the inside rim of the bottle's mouth. Let them drip down the inside of the bottle, but do not mix.



4. In a measuring cup, mix together 1 tablespoon of yeast and 3 tablespoons of warm water. Stir for about 30 seconds.



5. Pour the yeast mixture into the bottle, then quickly step back and watch your reaction go!



NO BLOW BALLOON

MATERIALS

- Vinegar
- Baking Soda
- Balloon
- Water Bottle

Credits

<https://onelittleproject.com/baking-soda-and-vinegar-balloons/>



INSTRUCTIONS

1. Using the funnel, add two tablespoons of baking soda to the balloon.



2. Now pour four ounces of vinegar into the bottle.

3. Put the balloon over the mouth of the bottle. Two people make this job easier as one can hold the bottle steady while the other puts the balloon onto the bottle.



4. Now lift the balloon and allow the baking soda to fall into the vinegar.



5. Observe the chemical reaction and the effect on the balloon.



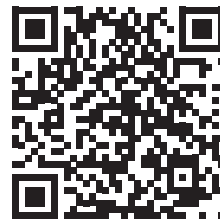
MAGNETIC CAR

MATERIALS

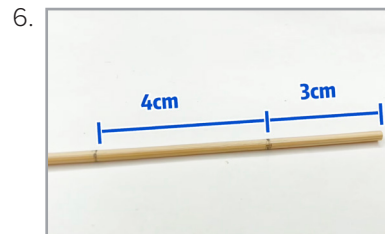
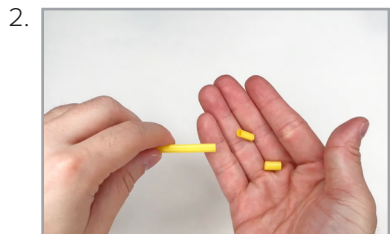
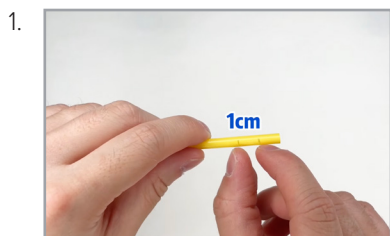
- Battery
- 4 Bottle Tops
- Wooden Ice Cream Stick
- Skewer
- Hot Glue
- Mini Magnets
- Straw

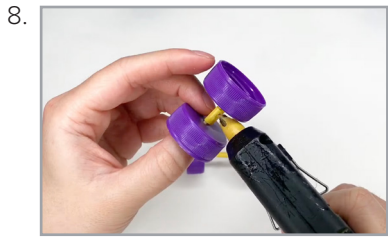
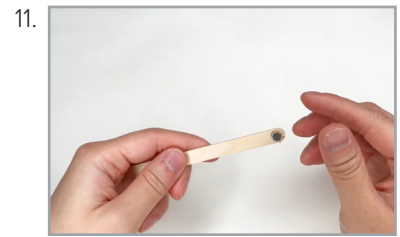
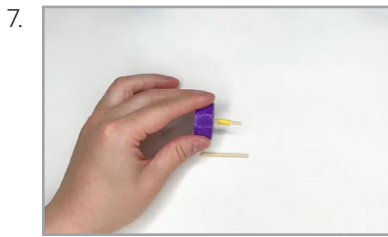
Credits

<https://m.youtube.com/watch?v=WDQSVLrEVNE>



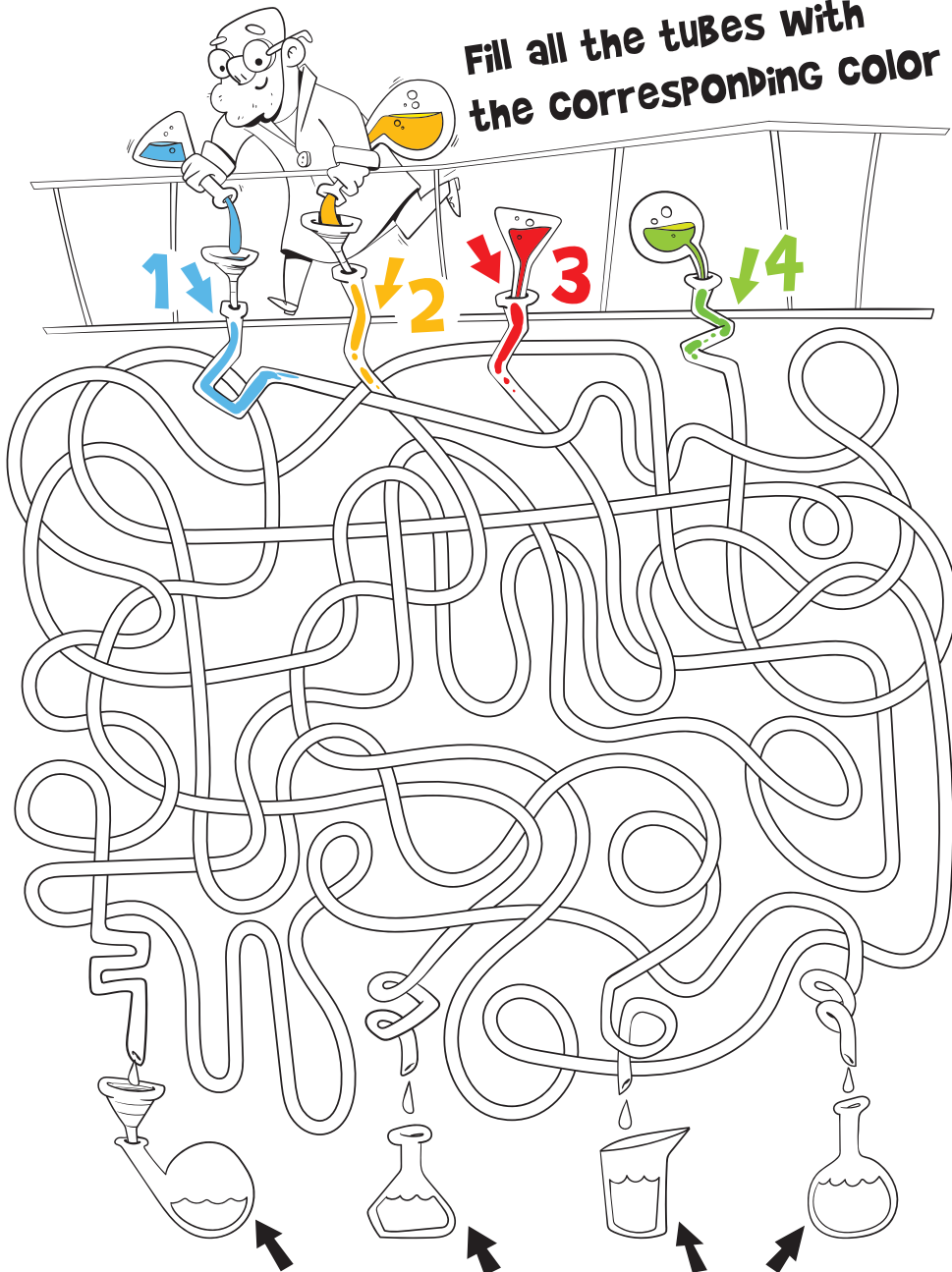
INSTRUCTIONS





COLOR THE TUBES

Fill all the tubes with the corresponding color

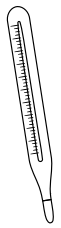


What color is in each of the containers?

MEDICINE CROSSWORD

MEDICINE

crossword puzzle

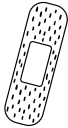


1.

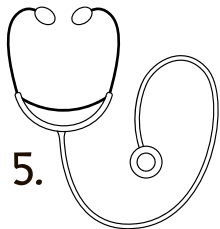


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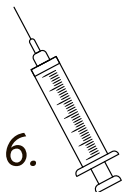
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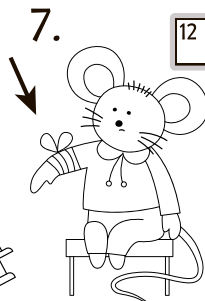
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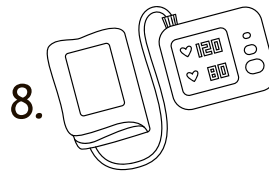
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6.



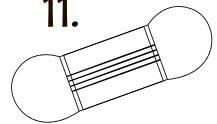
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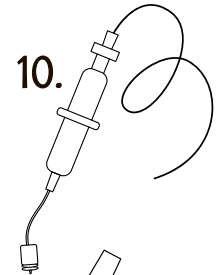
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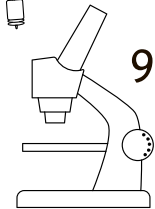
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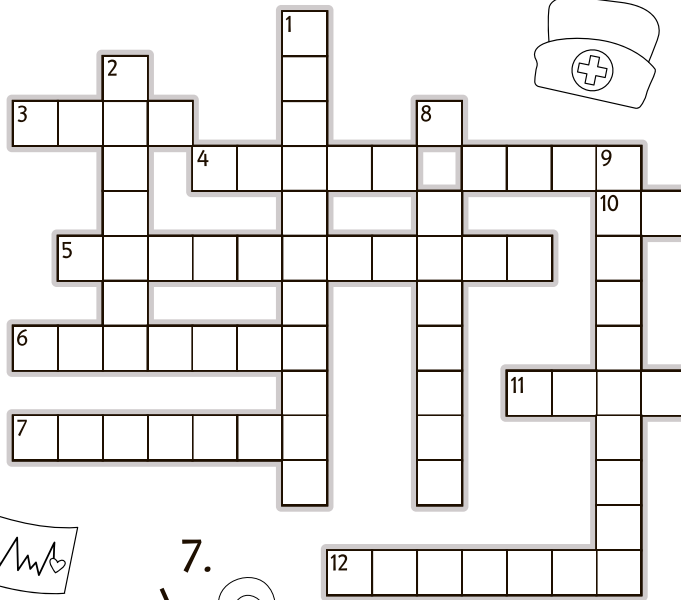
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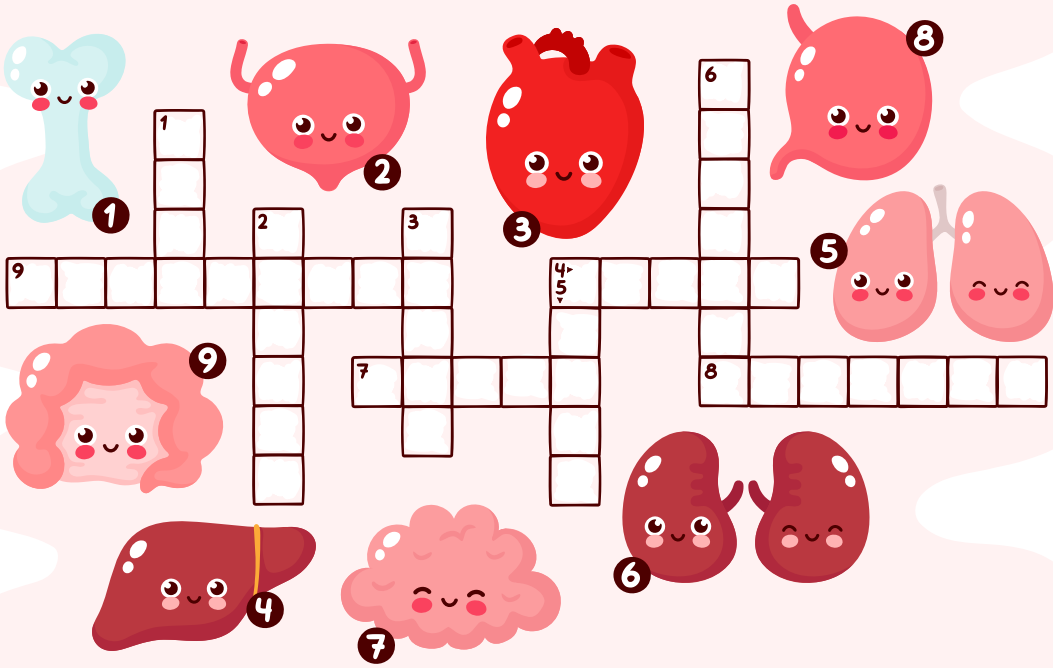
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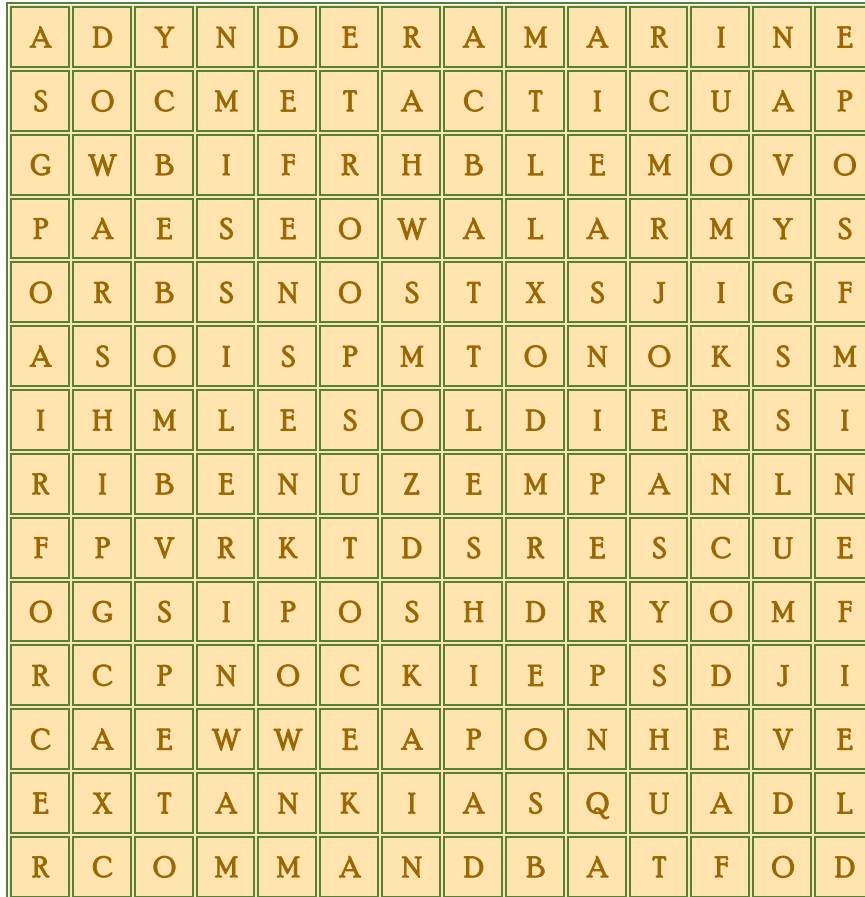
ANATOMY CROSSWORD

Puzzles

ANATOMY CROSSWORD

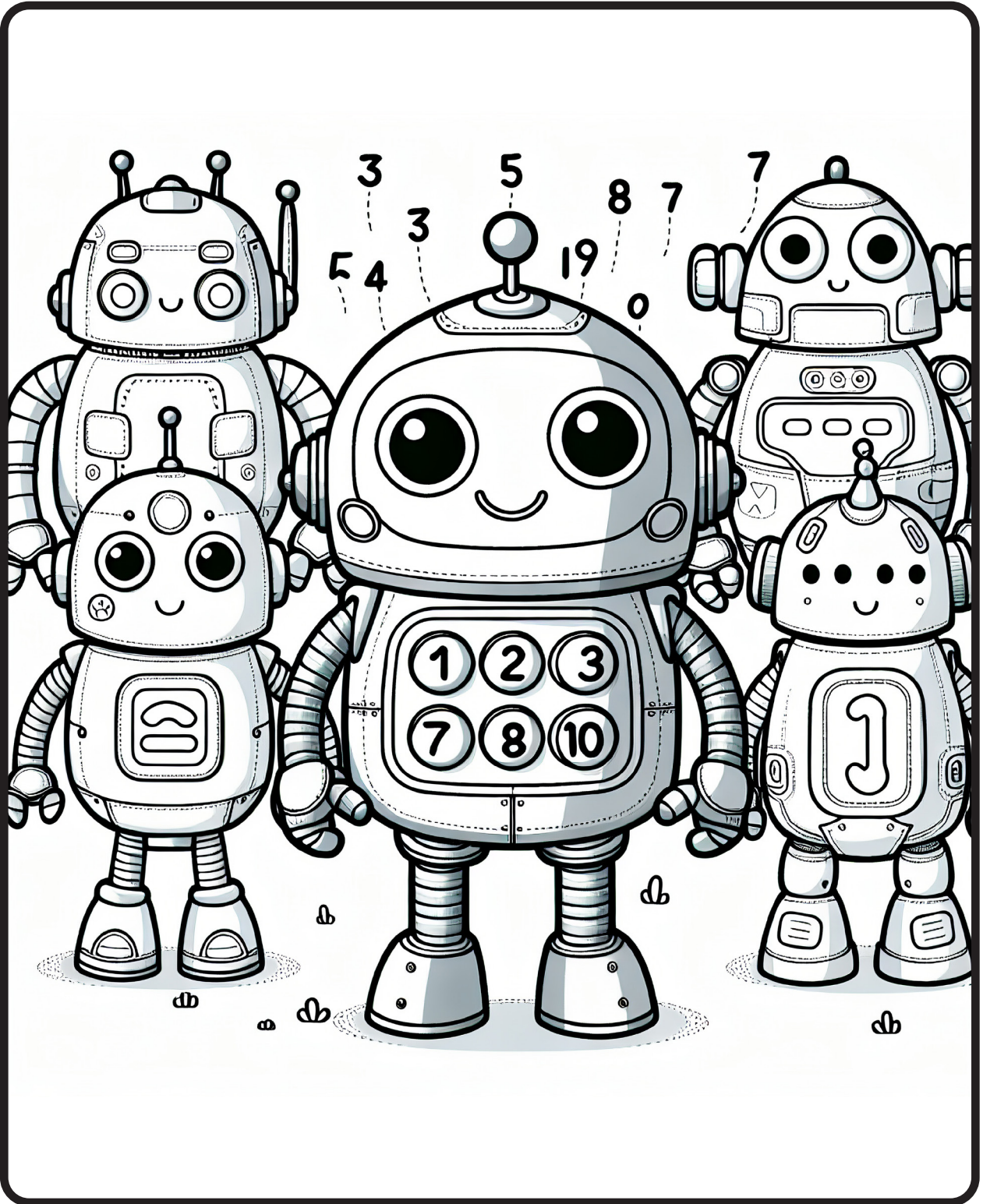


MILITARY WORDSEARCH



ARMY	TROOPS	TANK	MISSILE
AIRFORCE	SOLDIER	WEAPON	SNIPER
NAVY	DEFENSE	WARSHIP	BOMB
MARINE	POW	BATTLESHIP	RESCUE
SQUAD	COMMAND	MINEFIELD	TACTIC





Coloring

A series of horizontal dotted lines for writing notes.

Notes

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A series of horizontal dotted lines for writing notes.

Notes

ANSWERS

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

ANSWER

1. Bone 2. Uterus 3. Heart 4. Liver 5. Lungs
6. Kidneys 8. Stomach 9. Intestine

Anatomy Crossword:

Military Word Search:



Color the Tubes

1. Thermometer 2. Plaster 3. Pill 4. Cardiogram 5. Stethoscope 6. Syringe
7. Bandage 8. Tomometer 9. Microscope 10. IV 11. Mask 12. Mixture

Medicine Crossword

