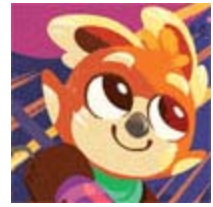




The Discovery of Fireworks & Gunpowder: The Asian Hall of Fame

Read about **Fireworks** & **Gunpowder!**



Emma and Ethan meet the red panda Dao. Together they travel through time to see how something amazing was created in Asia.

Questions:



1. What is an alchemist? What magical formula were alchemists looking for?

2. What country invented gunpowder? Have you been to Asia before? Do you want to?

3. Chemistry is the science that deals with the interaction of substances. In what activities at home do you and your family use chemistry?



4. What are the four main types of weapons that used gunpowder in war?

5. How did gunpowder help make fireworks?

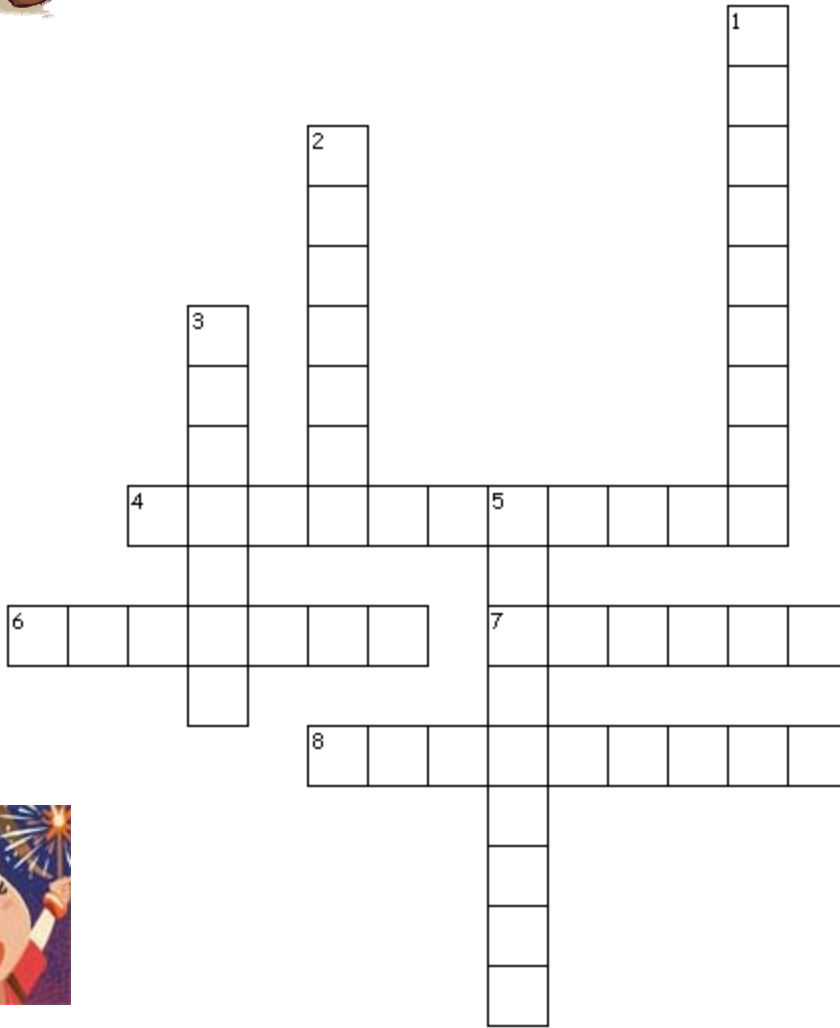
6. What is your favorite holiday where fireworks are used in the celebration? Why?





Dao's Crossword

Read the clues and fill in the missing words!



ACROSS

4. A small type of fireworks that can be thrown by hand
6. The period of one government in ancient China
7. A large type of gun (which shot a ball) placed on a ship
8. A type of rocket that is shot into the sky and makes colors and sounds

DOWN

1. A dark grainy substance that can catch fire and explode
2. Another name for a rocket (used in war)
3. An annual celebration when fireworks are used
5. In old times, a "scientist" who made experiments with chemicals

Emma's Word Search

Help Emma find these words!



BALL
BOMB
CANNON
CHARCOAL
CHEMISTRY
CHINA
DYNASTY
FIREWORKS
FLAMETHROWER

GUN
GUNPOWDER
METALLIC
MISSILE
PYROTECHNICIAN
ROCKET
SALT
SALTPETER
SULFUR



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

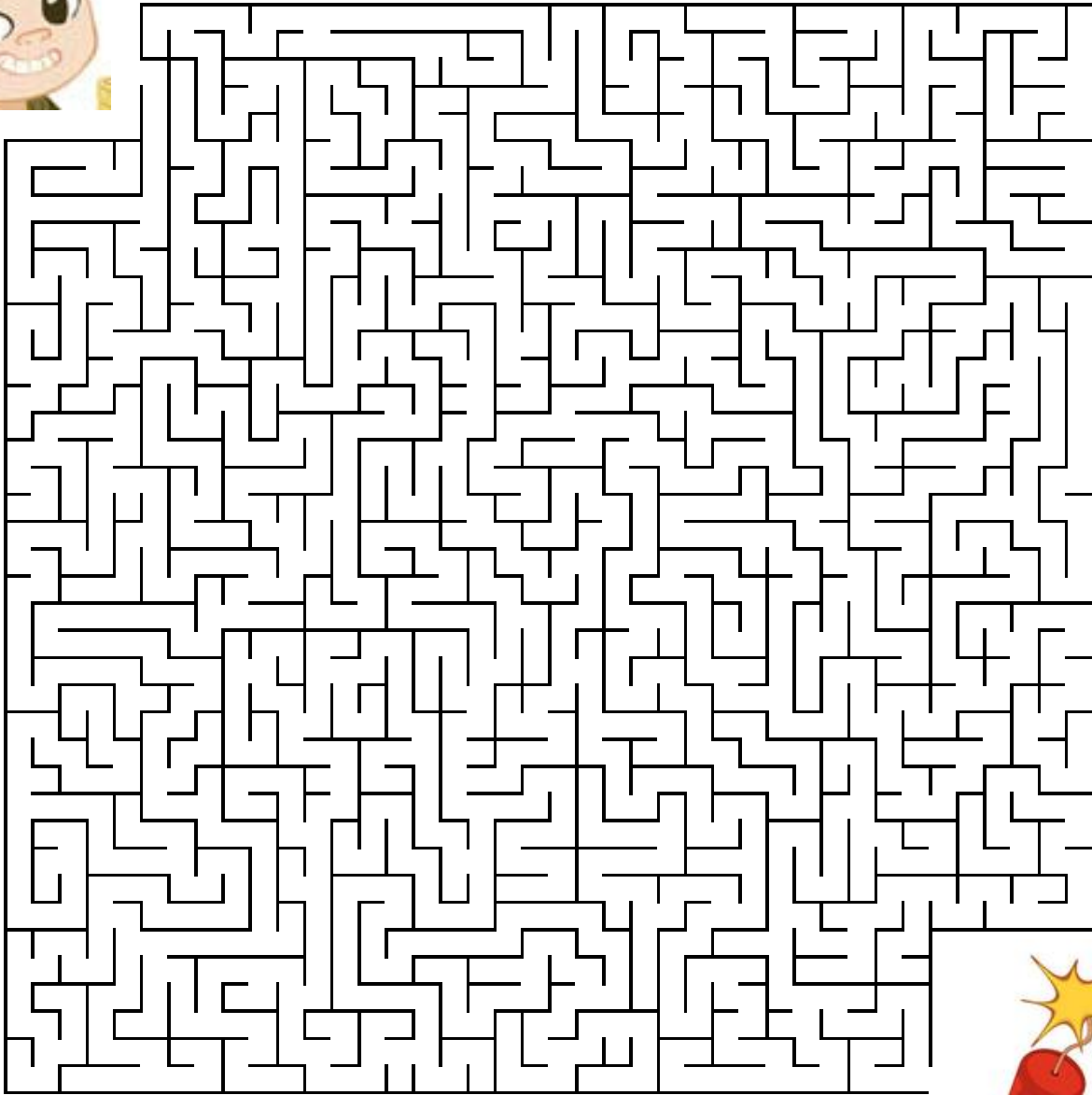


Ethan's Maze

Help Ethan get his firecracker!



START



END

