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General Studies



Discovery of electricity



ELECTRICITY is very important for our daily life. We **depend** (依賴) on it. Do you know who discovered electricity?

Benjamin Franklin (班傑明 • 富蘭克林) had always been interested in electricity. And he thought **lightning** (閃電) is a form of electricity. So one stormy night in 1752, he and his son, William, tested lightning. They put a piece of metal on top of a kite. They also put a metal key at the end of the string. They flew the kite in the sky. When lightning hit the kite, he touched the key with his hand. There was a **spark** (火花). He proved that lightning is a form of electricity.



Benjamin Franklin's **discovery** (發現) that lightning is a form of electricity **inspired** (激發) man to further study and use electricity.

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



Benjamin Franklin's famous kite test was **inspired** (賦予靈感) by lightning.



After his kite test, Franklin **invented** (發明) the **lightning rod** (避雷針).

From the above puzzle, can you find the following words appearing on this page?

- electricity
- lightning
- discovery
- stormy
- spark
- metal
- prove
- invent
- famous
- inspire

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

Answers