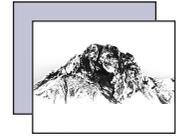
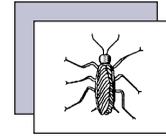


# kids' kreation



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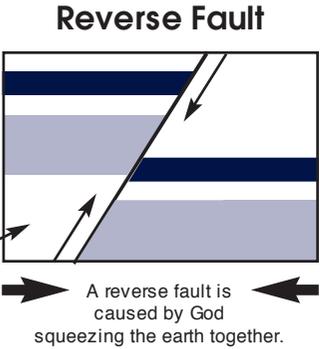
# 61

## GEOLOGY

Proclaiming Christ's power

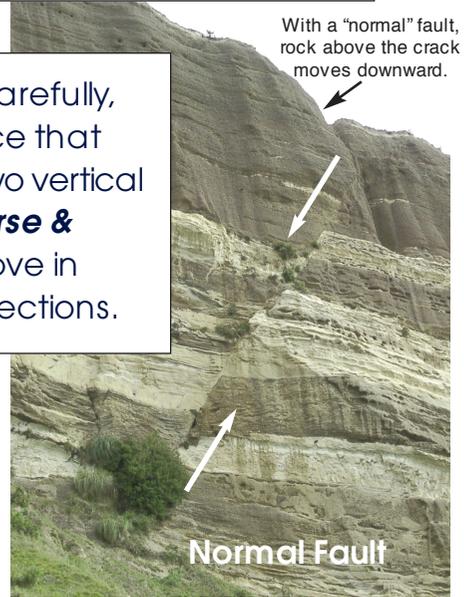
Consider the power of God! How much force did He use to lift the mountains upward or crack the earth and move great blocks of rock in different directions?

The drawing and photo on the right are examples of **vertical faults**



With a "reverse" fault, rock above the crack moves upward.

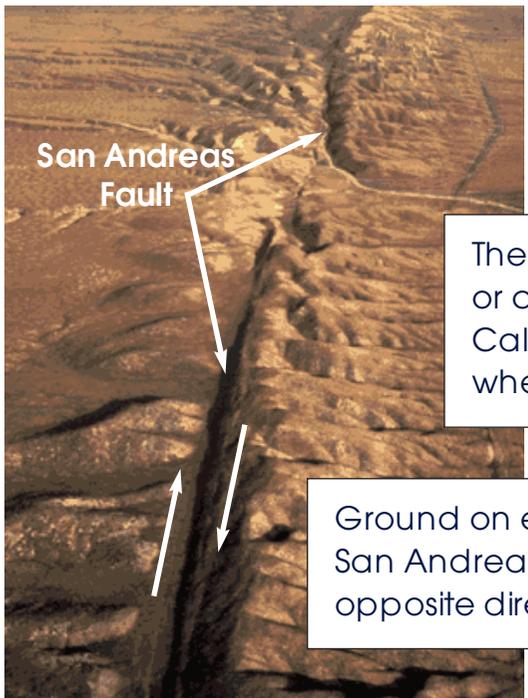
If you look carefully, you will notice that these two vertical faults—**reverse & normal**—move in opposite directions.



A normal fault is caused by God pulling the earth apart.

There are several ways Jesus cracked & shifted the crust of the earth—known as **faults**.

## Faults



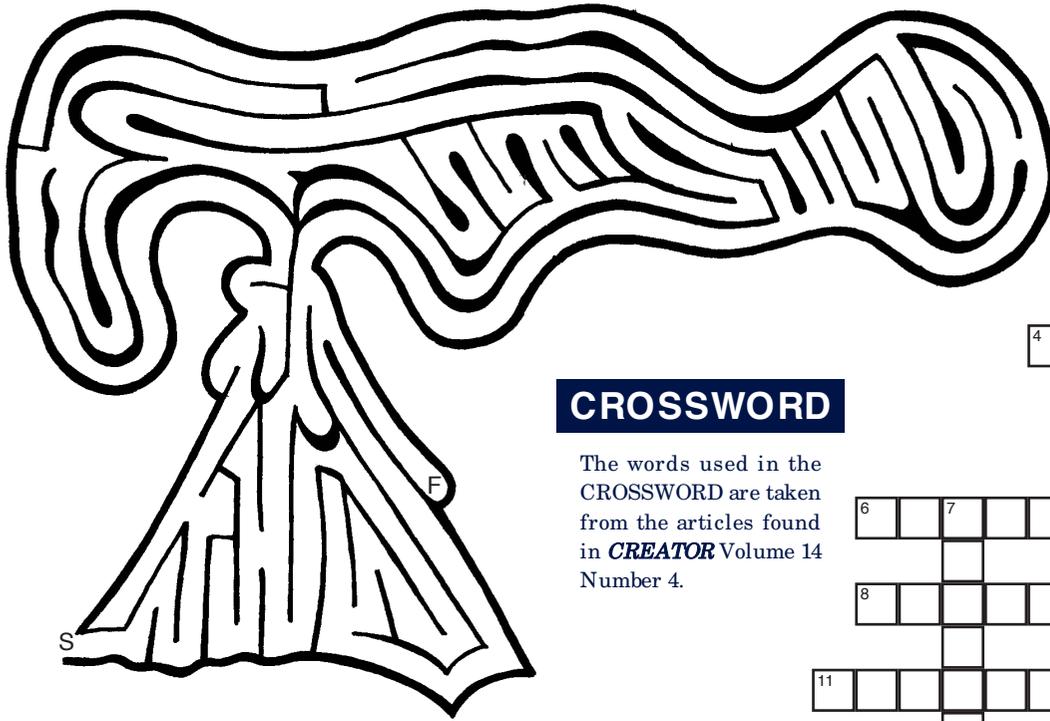
The San Andreas Fault is a **horizontal fault** or crack in the earth's crust located in California. It is hundreds of miles long and is where many earthquakes take place.

Ground on either side of the San Andreas fault moves in opposite directions.

The study of rocks and the earth is called **geology** (gee - AH - low - gee). It tells us that Jesus used tremendous force to shape the world's surface!

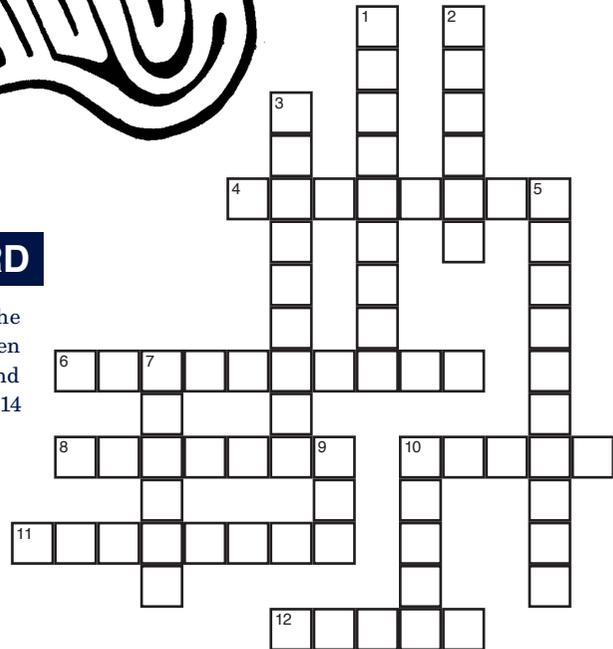
PHOTO CREDITS:  
Normal Fault - © 2008 mikeuk.iStock Photo  
San Andreas Fault - Robert E. Wallace/USGS  
Wood (page 2) © 2007 Nick Schlax





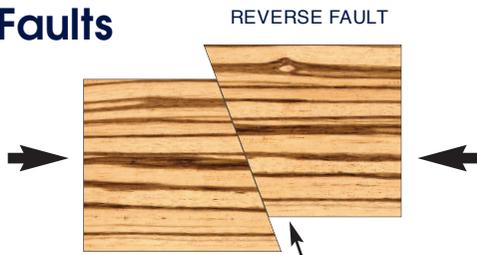
### CROSSWORD

The words used in the CROSSWORD are taken from the articles found in *CREATOR* Volume 14 Number 4.

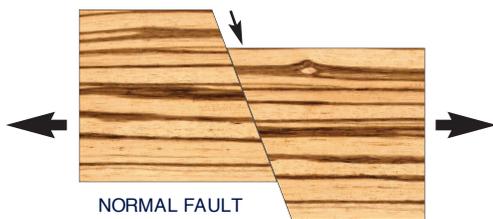


### FAMILY ACTIVITY: Fun with Faults

The grains in the wood represent the layers of rock seen in the crust of the earth.



Ask an adult to saw a block of grainy wood in half and on a diagonal (see pictures). What happens if you squeeze the two blocks together? One of the two halves should move upward—this is how geologists think God creates “reverse faults.” Next pull the two halves apart while keeping them in contact with each other. What happens? One of the blocks should slip downward against the other block—you have formed a “normal fault.” Practice squeezing and pulling apart the halves!



#### Down

1. The \_\_\_\_\_, located in Asia, form the greatest mountain range on the surface of Earth.
2. When Mount St. Helens erupted, it was equivalent to one \_\_\_\_\_ bomb exploding every second for eight hours straight!
3. Underwater mountains are called \_\_\_\_\_.
5. \_\_\_\_\_ are scientists who study rocks, minerals, and mountains.
7. Most of Earth’s mountains are totally submerged in the great \_\_\_\_\_ of the world.
9. \_\_\_\_\_ percent of all people on Earth live in mountains.
10. There are four basic types of mountains: volcanic, folded, upwarped, and fault-\_\_\_\_\_ mountains.

#### Across

4. The means by which Jesus cracked or cut the earth’s crust is called \_\_\_\_\_.
6. The science of mountain formation is called \_\_\_\_\_.
8. Mount \_\_\_\_\_ is Earth’s tallest mountain (on land).
10. Where Earth’s crust has been pressed down by the Lord, it’s known as a \_\_\_\_\_.
11. The highest \_\_\_\_\_ in our Solar System is Olympus Mons on Mars.
12. “He who looks at the earth, and it trembles, who touches the mountains, and they \_\_\_\_\_” (Psalm 104:32 NIV).

Answers to the CROSSWORD found in *kids’ kreation* #60

**Down:** 1. ALKALOIDS 2. BLISTER 4. ELASTIN 5. MELANIN 6. SENSORS 7. CHAMELEON 9. HAIRS

**Across:** 3. STERILE 4. EPIDERMIS 8. LUNGS 10. BACTERIA 11. GERMS