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THE INCREDIBLE EYE

Everything we know about the world comes to us through our senses. Senses give us pleasure, tell us what is taking place around us, and warn us of danger. The human body has a number of different senses. The best known were first listed long ago by a Greek scientist named Aristotle. They are smell, taste, touch, hearing, and sight. Today we know that there are more than just five senses. Taste is not just one sense but several senses (bitter, sour, sweet, and salt.) Touch is also made up of several senses (pressure, pain, heat, cold, etc.)

Of all the information that our brain receives, 80% comes from the sense of vision (or sight.) When we look at the complex way our eyes work, and when we look at their marvelous design, we realize that it couldn't just happen. Darwin (the scientist who made the idea of evolution popular) said that the thought of how the eye could possibly be produced by natural selection makes him ill. Even Darwin had to admit it is very hard to imagine how the eye could ever have developed gradually by chance and accident (or evolution). It made him sick to even think about it. The eye is amazing in its design! If there is design, there must be a Designer. The Bible says "FOR EVERY HOUSE IS BUILDED BY SOME MAN; BUT HE THAT BUILT ALL THINGS IS GOD." (Hebrews 3:4 KJV) That Designer could only be God!

The human eye is like a camera that continually adjusts itself to take and develop an endless stream of

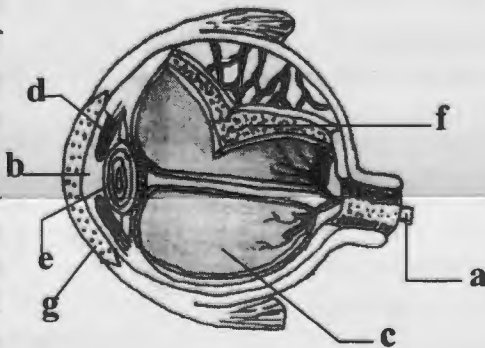
pictures at a speed faster than you could imagine. Just like a camera, the eye has a lens, a shutter opening (called the pupil), a dark chamber, and a film (called the retina.)

Here is a simplified way of how the eye works. Light rays are reflected from an object toward the eye. These rays first pass through a clear, bulging shield, called the **cornea**. The cornea bends the light sharply to the center of the eye, that black hole in the center called the **pupil**.

The colored part around the eye is called the **iris**. The iris controls the amount of light entering the eye by **changing the size of the pupil**. If the light is dim, the pupil is opened up wide. If the light is bright, the iris closes the pupil down to a small opening. Once through the pupil light goes through the **lens**. The lens is tiny (about the size and shape of a small bean.) It is made up of over 2000 fine layers of transparent (clear) fibers that are very limber. Muscles control the shape of the lens to focus the light very sharply. By bulging or by flattening out, the lens makes our vision extraordinarily flexible. We can focus on something inches away from our nose, and instantly look to a star and focus on it. Once focused through the lens, the

light passes through a clear jelly-like fluid (**vitreous humor**) to the back of the eye where it hits the **retina**. The retina is a pink coating that covers the back of the eye. The retina is about the size of a postage stamp, but has 137 million special cells on it that are sensitive to light. 130 million of those cells are rod shaped and are used to see black and white. 7 million cells are cone shaped and are used

for seeing color. These cells receive the light that comes into the eye and connect to the **optic nerve**. Tiny electrical and chemical signals are then sent to the brain which takes those signals, interprets them and "sees" pictures of what is in front of us. Amazingly, these optic nerves criss-cross in the brain so that we can know how far away something is and where it is located.)



There is much more to vision than meets the eye! Every time we open our eyes, our brain has to sort out a huge amount of information into images that make sense. Everyone would admit that cameras did not just happen, yet even the fanciest cameras designed by man cannot do all that the human eye can do. The eye demands that there is a Creator! "HE THAT BUILT ALL THINGS IS GOD!!!"

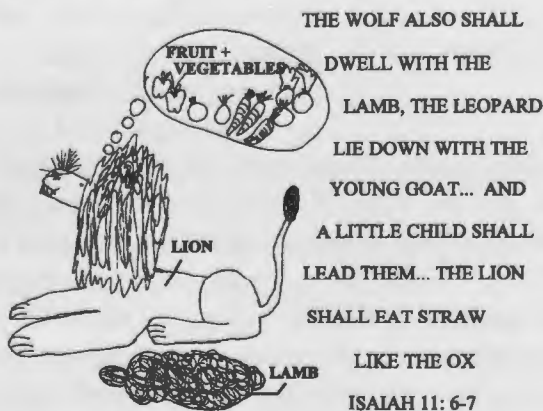
SCRAMBLED EYE

The scrambled words below are parts of the eye found in the story "THE INCREDIBLE EYE." Unscramble to find where the parts are in the eye on front page.

- a. TCPIO REEVN
- b. LPPUI
- c. RITVSUOE UMHRO
- d. SIIR
- e. ESNL
- f. EINATR
- g. NRECAO

ASK EUGENE

Dear Eugene: See you next year! I'm really sorry we couldn't come to camp this year. (my Daddy wasn't paid for a while.) I am sending you a picture. Thank you for printing my letter and your answer. We had fun seeing it in the newsletter! We had a vacation Bible school all about dinosaurs this year. I learned a lot. Did you know that there could still be dinosaurs alive today? In some parts of Africa they know about one they call "Mokulimembe". I hope you like the picture. We will be praying-- and saving-- so that we can see you next year! Love Ariane Giles
Dear Ariane: Thank you for writing to me! "Mokele Mbembe" (mo-KEE-le MEM-be) is a mouthful to say isn't it? I have heard of this creature. There are other exciting pieces of evidence to indicate that Dinosaurs



THE WOLF ALSO SHALL
 DWELL WITH THE
 LAMB, THE LEOPARD
 LIE DOWN WITH THE
 YOUNG GOAT... AND
 A LITTLE CHILD SHALL
 LEAD THEM... THE LION
 SHALL EAT STRAW
 LIKE THE OX
 ISAIAH 11: 6-7

might not all be dead, but so far no live one has been

caught. Want to go Dinosaur hunting? We missed you at camp this year, but we are already looking forward to next summer. Enjoyed your drawing and scripture verse. I'm not sure (as a lion) if I am going to enjoy eating straw! But I am looking forward to the day when there will be no more death, and God's creation will be with him for ever! Share Jesus with all your friends so that they will be in heaven with us! Love Ya, Eugene.

Dear Eugene: How are you? Today I saw you at a Discover Creation Seminar. I think you are funny! Here's a joke for you. **What did the mommy bee say to her little bee who was being naughty???????????** **BEHIVE YOURSELF!** Love Joanna Swieton (age 6) Shawnee, KS.
Dear Joanna: Thanks for the joke. I think you are funny too! Love Ya, Eugene

As Christmas nears, the baby Jesus reminds me that we have a new life and a new beginning when we are born again in Christ. The Wise Men and the shepherds both gave gifts of love and adoration. These gifts were accepted and received equally by Jesus and his parents. That is the way it is with the Lord today. He accepts all who believe and accept him as Lord and Savior of their lives. May you all have a wonderful Christmas! Happy Birthday Jesus! Love Ya, Eugene.

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ANSWERS

HUMOR d. IRIS e. LENS f. RETINA g. CORNEA
 8. OPTIC NERVE b. PUPIL c. VITREOUS

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