#### Lesson 10. SEPARATE BUT ONE

Purpose: a) To introduce the Creation of Eve.

- b) To show that when one thing is created from another, there is a "link," or a "oneness," between them.
- c) Indirectly, to lay the foundation for the XY and XX chromosomes in human beings.

<u>Materials</u>: 2 Moebius strips (See page 10c for instructions on how to make one.) one of them, uncut

the other one, cut, but with the two rings separated several strips of colored paper, measuring 1 inch x 12 inches half of them colored brown and orange the other half colored only orange

Paste Scissors

A picture of a Man and a Woman (i.e., Adam and Eve).

#### Presentation:

- 1) Put the picture of Man on the bulletin board.
- 2) Remind the children that after God made Man, God didn't want Man to be lonely; so He brought all the animals to Man to see what he would call them...and whatever Man called them, that was their name.
- 3) Tell the children that even though Man had all those animals, he was still lonely and none of the animals were very good helpers for him.
- 4) At this point, show the children a ring from one of the <u>cut</u> Moebius strips (the ring that has <u>two</u> colors). Tell them that we are going to pretend that this ring is Man.
- 5) Place the ring under Man's picture on the bulletin board as a reminder, and ask them to remember that Man's "ring" has two colors.
- 6) Show them a plain colored strip and ask them if "this is Man." (If they're not sure, tell them "no" because it has only one color.)

- 7) Now pick up an <u>uncut</u> Moebius strip and as the children if "this is Man." When they all agree that it is, then proceed with the demonstration.
- 8) Tell them that God didn't want Man to be lonely, so He decided to do something about it. First, He made Man fall fast asleep, and while he slept, God took one of his ribs (start cutting the Mobius strip).
- 9) Tell the children that we are pretending that we are taking away one of Man's ribs.
- 10) After you have finished cutting, tell the children that God took that rib and made it into a Woman.
- 11) Show them the two interlocking rings and ask them which one is Man. (If they don't know, point to the one with two colors.)
- 12) Now, point to the other ring and show them that it is also a ring, but it's different and separate from Man.
- 13) Put a picture of a Woman up next to Man's picture, on the bulletin board, and tell the children that we will pretend that the other ring is the woman that God made from Man's rib.
- 14) Place a ring under <u>her</u> picture (a <u>single</u>-colored one from one of the <u>cut</u> Moebius strips).
- 15) Tell the children that after God made Woman, God called Man by a new name: Adam. God also called "woman" by a new name, too: Eve.
- 16) Show the children how the rings are separate, but that they joined together.
- 17) Now place these "joined rings" under the two separate ones on the bulletin board.
- 18) Tell the children that if a man and a woman decide to get married, then it is like "joining them together" as one, because that's the way it was in the beginning.

They become each other's helpers, just like Adam and Eve did.

Have the children make a short "chain," by joining the two kinds of

Activity:

	paper. Each chain should consist of one brown and orange loop and one plain orange loop.
Song:	One Family
1.	G Am Long ago in a faraway land, God planted a garden and made it grow. G Am D And in that garden He made Himself a man, but that man was so G lonely, oh C G Am G Because he needed a friend. God knows that one won't do. C G Am D G He needed a friend, and that's why God changed one to two.
2.	G Am  He made that man fall fast asleep and from him took an old rib bone.  G Am D  And from that rib, He made the man a friend to keep that man from G  being along,  C G Am G  But then, they fell in love. God knows how that can be.  C G Am D G  They fell in love, and that's why God changed two to three.
3.	G Am  Now Adam was the first man's name, and Eve it was his wife became.  G Am D  The two of them had children, too; and on and on and G on till you.  C G Am G  So now, let's all be friends. We're all one family.  C G Am D G  Let's all be friends, 'cause that's why God made you and me.

Mobius Strip

(Any circle with a half twist is a Moebius strip. The colors have been for this demonstration.)

Cut an orange strip of paper measuring 2 inches by 12 inches.

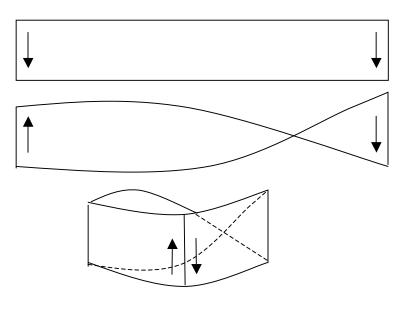


Along the center line, past a brown strip of paper measuring  $\frac{1}{2}$  inch by 12 inches. Do the same on the back of the paper, making sure that if the brown strip is above the center line on the first side, it is also above the center line on the reverse side. (The brown strips will not be back to back.)



Center line

Join the two ends into a circle with a half twist.



Cut along this edge.

When cutting out "Adam's rib," cut length-wise along the <u>edge</u> of the brown strip that is <u>not</u> on the center line. (Note: If you cut on the center line, you will get something entirely different.)

Please note that: The brown color represents the Y chromosome.

The orange color represents the X chromosome.

Therefore, the brown and orange ring represents the XY

pair found in the male;

while the double length orange ring represents the XX

pair found in the female.

P.S. If Adam had 12 pairs of ribs and each rib represented a pair of chromosomes, then the taking of one rib would leave Adam with a chromosome count of 46, which is the correct number for a human being.

