

A Simple Review of Chromosomes

This article is from the "Edifying the Body" section of the Church of God Big Sandy's website (churchofgodbigandy.com). It was posted for the weekend of Dec. 10, 2022.

By Dave Havar

BIG SANDY, Texas—The topic of gender identity is a controversial topic in our world today. When I sat down to write this article, I asked the following question at Internet search engines: "How many genders are there?"

The various answers included: 2, 6, 7, 72, 112 and 1,000. As I had done through the years, I read the different perspectives about this subject.

In this article, I want to share two short articles that reflect my view of chromosomes.

I suspect that there can be three different reactions to this article.

- Some may have strong reactions of condemnation toward me for having such a "narrow" perspective.
- Some may feel sorry for me being so naive and old-fashioned.
- Some of you will find these words encouraging at this present time.

Here are the two articles.



Looking back to May 2021, an article titled "Chromosome" was posted at medlineplus.gov on May 3, 2021. Following is the article.

Chromosomes are structures found in the center (nucleus) of cells that carry long pieces of DNA. DNA is the material that holds genes. It is the building block of the human body.

Chromosomes also contain proteins that help DNA exist in the proper form.

Chromosomes come in pairs. Normally, each cell in the human body has 23

pairs of chromosomes (46 total chromosomes). Half come from the mother; the other half come from the father.

Two of the chromosomes (the X and the Y chromosome) determine your sex as male or female when you are born. They are called sex chromosomes.

- Females have 2 X chromosomes.
- Males have 1 X and 1 Y chromosomes.

The mother gives an X chromosome to the child. The father may contribute an X or a Y. The chromosome from the father determines if the baby is born as male or female.

The remaining chromosomes are called autosomal chromosomes. They are known as chromosome pairs 1 through 22.



Looking back to May 2021, an article by Ken Ham titled " 'Modern Science' Says There Are 6 Sexes?" was posted at answersingenesis.org on May 7, 2021. Following are excerpts of the article.

A few weeks ago CNN published a news piece that contained the statement, "It's not possible to know a person's gender identity at birth, and there is no consensus criteria for assigning sex at birth." Such a statement is obviously anti-science—the "consensus criteria" for establishing "sex at birth" has been known since Eve gave birth to Cain, and Adam said, "It's a boy!" Well, CNN isn't alone at being anti-science.

A Democratic state legislator in Texas [James Talarico], who attended Harvard, recently stated, "I want us to all be aware of recognize [sic] is that modern science obviously recognizes that there are many more than two biological sexes. In fact, there are six . . ."

Does modern science really recognize "six really common biological sexes" in humans? No. There are two: male and female.

The "gender identities" so popular today are not biological sexes—they are determined by the feelings of the person claiming the gender identity. But feelings do not determine truth.

Rep. James Talarico went on to state, “The point is that, biologically speaking, scientifically speaking, sex is a spectrum, and oftentimes can be very ambiguous.”

What does he mean by this?

Well, he’s pointing to the fact that not everyone is XX (female) or XY (male) —“but also single X, XXY, XYY and XXXY.”

But do abnormalities in sex chromosomes really mean there are “six really common biological sexes”?

No. Abnormalities in chromosomal development are just that: abnormalities, deviations from the norm.

Abnormalities do not constitute a new biological sex. Rather, they are a disorder of normal human development.

Individuals with these abnormalities are still either male or female. Those with a Y are male and those without a Y are female. Such abnormalities often cause problems (which range from minor to more severe) for those who have them.

These abnormalities are not the same thing as so-called “gender identity.”

Transgender, gender fluidity, and everything else LGBTQ activists are pushing have nothing to do with biology—it has everything to do with psychology, how a person thinks and views himself or herself. It’s not a problem of the body. It’s a problem of the mind!

Such individuals need compassion and kindness—and they need the truth that comes from God’s Word and is confirmed by observational science.

There are only two genders/sexes in humans: male and female (*Genesis 1:27*).

Those who struggle with gender dysphoria don’t need chemicals, body mutilating surgery, cross-dressing clothes, new pronouns, and a new name—they need the gospel message that changes hearts and lives for eternity and gives them a new identity rooted in Christ.