



DNA Information Storage

*“Even every one
that is called by
my name: for I
have created him
for my glory, I
have formed him;
yea,
I have made him.”*

Isaiah 43:7

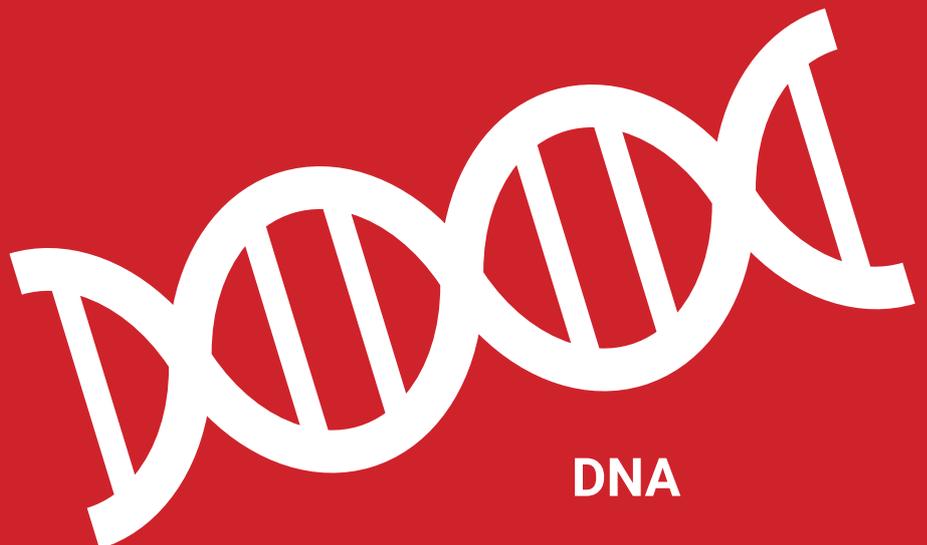
*“For by him were
all things created,
that are in heaven,
and that are in
earth, visible and
invisible, ...
all things were
created by him,
and for him:”*

Colossians 1:16

DNA has been called the most mysterious molecule in the universe. The information it contains cannot be explained by any natural processes.

Join the Ultimate Science Club for more!
kidsfindtruth.com

The sequence of chemicals on the DNA molecule is used to construct every other molecule in the human body yet neither the structure nor the information contained can be reproduced in a laboratory by mixing the four chemical components from which DNA is constructed. All attempts to do this have been as fruitless as trying to develop any of the 22 million books in the library of Congress by having a monkey randomly doodle symbols on a piece of paper!



DNA

One gram of DNA can hold as much information as one trillion CDs. Stated another way this information storage system is so efficient that a microscopic spec smaller than a dust particle could hold a copy of every high-resolution movie ever produced with room to spare for every movie made for the next 100 years!

DID YOU KNOW?
DNA is really an acronym for *Deoxyribonucleic acid*.

The word was first used in the 1930s.

As advanced as modern technology has become mankind's greatest achievements and mighty technological advances are child's play when compared with what God has produced in DNA.

**1 Gram
of DNA
Storage**

=

700 Terabytes of space.

**Over 14,000 Blu-ray
DVDs holding 50 GB
(Gigabytes) each.**

1,000,000,000,000 CDs.

Adenine (A)

Guanine (G)

**Components
of DNA**

Cytosine (C)

Thymine (T)

- Questions -

1. Can DNA be reproduced in a laboratory? _____

2. 1 gram of storage in DNA is equal to how many CDs?

3. DNA is an acronym for what? _____

4. List the four components of DNA. _____

- Fun Facts -

~ If you put all the DNA molecules in your body end to end, the DNA would reach from the Earth to the Sun and back over 600 times! For comparison that's the same as the distance between earth and Pluto.

~ A parent and child share 99.5% of the same DNA.

~ DNA was first discovered in the year 1869 by a man named Friedrich Miescher.

~ It was only in 1943 that scientists became aware of the fact that genetic information is stored in DNA. Prior to that, it was believed that genetic information was stored in proteins.

~ If we wanted to store all the digital information in this world, all we would need is 2 grams of DNA.

~ DNA is present in each and every cell of the human body.

- DNA Word Search -

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

DNA
GENETICS
MOLECULE
ADENINE
CYTOSINE
GUANINE
THYMINE
SEQUENCE
DESIGN
CREATOR

Check out this other neat stuff!



www.coralislandadventures.org



Kids Find Truth
The Ultimate Science Club

www.kidsfindtruth.com

In Association With



Lesson designed by Gideon Minks

