



Fun Science News



Subject:
Science

Grade:
Six

School: Tahnoun Bin
Mohammed School C2
Prepared by: Mrs. Suzan

Lesson: Genes and Chromosomes

1 Warm-up

What do you think controls our traits like eye color, hair color, and height? Write your ideas.



2 Key Vocabulary

- **Gene:** a part of DNA that carries information.
- **Chromosome:** a thread-like structure that carries genes.
- **DNA:** the molecule that contains genetic information.



3 Quick Questions

Tick (✓) the correct answer.

1- Where are genes found?

- a) In cells
- b) In the stomach
- c) In the lungs

2- What do chromosomes do?

- a) Carry genes
- b) Give us energy
- c) Help us see

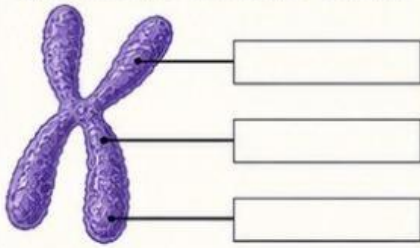
4 Label the Diagram

Label the parts of the chromosome using the words below.

Chromosome

Gene

DNA



5 Read and Answer

Read the passage and answer the questions.

Genes are small parts of DNA. They carry information that decides our traits. Genes are found on chromosomes inside the cells. Humans have 23 pairs of chromosomes.

- 1- Where are genes found? _____
- 2- What do genes carry? _____
- 3- How many pairs of chromosomes do humans have? _____

6 Match

Match the word with its meaning.

Gene

Carries genetic information.

Chromosome

A part of DNA that controls traits.

DNA

Thread-like structure found in cells.

7 Think and Write

Why do you think it is important for genes to be inside cells? Write your answer.

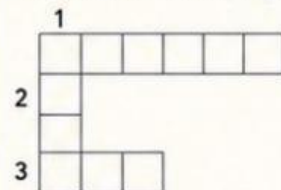
8 True or False

Write (T) for True or (F) for False.

- 1- Genes are found in the stomach. ()
- 2- Chromosomes are in the cells. ()
- 3- DNA carries genetic information. ()
- 4- Humans have 10 pairs of chromosomes. ()

9 Crossword

Fill in the crossword using the clues.



Across

- 1- Carries genes.
- 2- Part of DNA.

Down

- 3- Found inside cells.

10 Science in Real Life

Scientists study genes and chromosomes to understand diseases and find better treatments.



11 Challenge!

Draw a cell and show where the chromosomes are found.



12 Today I Learned

One new thing I learned today is:



Did you know?
Every cell in your body has DNA!



You are a young scientist!
Keep asking questions!

A kind word **LIVEWORKSHEETS**
Be curious, be kind.
Never stop learning.