

Name \_\_\_\_\_ period \_\_\_\_\_

## 7<sup>th</sup> Grade DO NOW

**7.14A** Define heredity as the passage of genetic instructions from one generation to the next generation.

**7.14C** Recognize that inherited traits of individuals are governed in the genetic material found in the genes within the chromosomes in the nucleus.

Date \_\_\_\_\_

The process of passing genetic instructions to offspring is called -

- A. Science
- B. Biology
- C. Heredity
- D. Genetics

Date \_\_\_\_\_

The shape of a baby's nose and its hair color are considered -

- A. Traits
- B. Biology
- C. Heredity
- D. Genetics

Date \_\_\_\_\_

The primary function of the nucleus is the control center of the cell. Inside the nucleus of a human there are 46 chromosomes. Where did the chromosomes come from?

1. Underline the question.
2. Box the important vocabulary words.
3. Tell something else you know about this topic.

\_\_\_\_\_

\_\_\_\_\_

4. Answer the question in the space below.

Date \_\_\_\_\_

The chromosomes found in the nucleus of almost every cell are sometimes shaped like rectangles and sometimes like X's. What is the main function of these chromosomes?

1. Underline the question.
2. Box the important vocabulary words.
3. Tell something else you know about this topic.

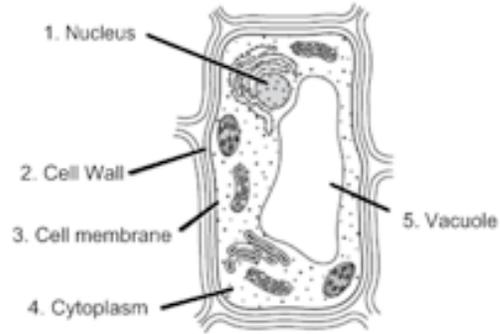
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4. Answer the question in the space below.

Date \_\_\_\_\_

Plant cells have different organelles than animal cells. Which structure in this diagram contains the genetic instructions for the plant?



1. Underline the question.

2. Box the important vocabulary words.

3. Tell something else you know about this topic.

4. Answer the question in the space below.

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

adenine	Dolly	Mendel
allele	fingerprinting	mutation
amino acids	forensics	nucleus
bases	gene	probability
chromosome	geneticist	Punnett Squares
clone	guanine	sequencing
Crick	helix	thymine
cytosine	inheritance	Watson
deoxyribonucleic		

DNA MAZE

