

Unit 1 Test Review

Know Vocabulary Matching

What must happen before mitosis can begin?

What are chromosomes joined in the middle by?

How many chromosomes do humans have?

What happens if cells begin to divide uncontrollably?

What do cancerous cells do?

What are some substances that can increase the risk of cancer?

How do bacteria reproduce?

What two groups can animals be divided into?

What can many invertebrates do?

What are "matching pairs" of chromosomes called?

What are human body cells referred to?

What is the human diploid number?

How many chromosomes do human gametes have?

In order for the human chromosome number to stay at 46, what must each gamete have?

What is the difference in which male and female gametes are formed?

How do most animals on land reproduce?

What do the reproductive cycle of mammals require from both parents?

What are the products of sexual reproduction in most plants?

What is a seed?

What are angiosperms?

What are 4 methods of seed dispersal?

What do male and female gonads produce?

What do hormones do?

What does FSH signal the testes to do?

What does FSH signal the ovaries to do?

How many eggs are usually released each month?

What is the male reproductive system designed to do?

What is required for the development of healthy sperm?

Where does the fertilized egg develop into a fetus?

What is the process called when an ovary releases an egg?

Where is the nucleus located in a sperm cell?

What is the purpose of the tail-like structure on a sperm cell?

Every human male has one ___ and one ___ chromosome in every cell

Every human female has two _____ chromosomes in every cell

A male sex cell can have either one _____ chromosome OR one _____ chromosome

When the sperm and egg unite, the chromosomes will combine to form ____ pairs of chromosomes.

How long is the embryo stage?

How long is the fetus state?

Approximately how many sets of mitosis has the developing child gone through by the time it is born?

How many trimesters are there in a pregnancy?

In which trimester do major organs form?

In which trimester is the fetus particularly sensitive to alcohol, smoking and other drugs?

What are some risk factors for the fetus?

In which trimester does the skeleton form?

In which trimester does the brain grow a lot?

What does it mean when a woman's "water breaks"?

How are identical twins formed?

How are fraternal twins formed?

What happens when a dominant trait combines with a recessive trait?

Is it possible for 2 brown eyed parents to have a baby with blue eyes?

Explain

Be able to draw a punnett square given the genetic information of two parents.

What analogy does Bill Nye use to describe the human set of chromosomes?