

## Life's Miracle

Name: \_\_\_\_\_  
Block: \_\_\_\_\_

How many cells do we eventually develop into?

How many tissues?

How many organs?

What is the name of the molecule that carries the genes that keep us alive?

What are two ways that DNA can be copied into a new organism?

1.

2.

What might happen if we all had the same immune system?

What is a major advantage of sexual reproduction?

How long are the tubes in the male testicle?

How many sperm do males produce:

Per second \_\_\_\_\_

Per day \_\_\_\_\_

In a lifetime \_\_\_\_\_

What is the process that produces sperm and eggs?

How many chromosomes do humans have?

How many chromosomes in a sperm? \_\_\_\_\_

How many chromosomes in an egg? \_\_\_\_\_

When do females begin producing eggs?

When do males begin producing sperm?

How many sperm are in a male's ejaculate?

What are some things that can happen to keep a sperm from reaching the egg?

How long can sperm take to reach the egg?

What two layers protect the egg?

1.

2.

What percent of all fertilized eggs fail to develop?

How long after fertilization will the embryo reach the uterus?

What two things does the blastocyst have to do when it enters the uterus?

What happens two weeks after implantation?

What is it called?

Why can it not be photographed?

How many layers does it develop into?

What does each layer develop into?

Lower –

Middle –

Top –

How long is the DNA in a single cell?

Females have two \_\_\_\_\_ chromosomes.

Males have a \_\_\_\_\_ and a \_\_\_\_\_ chromosome.

When is an embryo called a fetus?

How long is it?

How much does it weigh?

How does the fetus get all of the nutrients that it needs?

When will the fetus respond to light and sound?

When does hard bone begin to develop?

What is the fetus' job during the last trimester?

Why is it important for fat to develop in the brain?

How much more blood does the mother develop?

Why are human births more dangerous than other mammals?

Was the baby a boy or girl?