

IV. Video “The Miracle of life.”

Answer the following questions about human development.

Fewer than _____% of all fertilized eggs actually develop into an embryo.

In humans, the ovum (“egg”) is fertilized by the sperm in the _____.

How many days does it take the zygote to get from there to the uterus? _____.

Why is the blastocyst in danger when it gets to the uterus?

How does the blastocyst combat this threat?

Gastrulation is when the cells begin to organize into the three layers of germ tissue that create all the structures of an organism. Where and when does gastrulation occur?

Where does the fetus get nutrition? _____

When does the placenta begin to form? _____

A gene on this chromosome causes male and female gonads to differentiate. _____

When does an embryo become a fetus? _____

What is the first organ to begin working? _____

When will the fetus first respond to sounds? _____

The mother’s blood supply increases by _____ % during pregnancy.

What is the fetus’s main job in the final months of pregnancy? _____

Give two reasons why fat is so important to the fetus in the last trimester?

1. _____ 2. _____

Give two reasons why human birth can be particularly dangerous.

1. _____

2. _____