**Fetal Development Guided Notes**

**Key concept: *Development progresses in stages from zygote to fetus.***

The fertilized egg implants into the uterus and is nourished by the placenta and umbilical cord.

The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ becomes a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and implants in the uterus.

* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ develops into \_\_\_\_\_\_\_\_\_\_ and nervous system
* mesoderm develops into Internal tissues and \_\_\_\_\_\_\_\_\_\_\_\_
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ develops into \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ organs and their lining

**blastocyst**

**uterine wall**

**Implantation of blastocyst**

* The blastocyst becomes an \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* Embryonic membranes protect and nourish the embryo.
	+ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ cushions embryo.
	+ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ connects mother and embryo.
	+ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ connects embryo to placenta.

A zygote develops into a fully formed fetus in about 38 weeks.

* Human pregnancies are divided into \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
	+ \_\_\_\_\_\_\_\_\_\_ trimester: body plan and early development



\_\_\_\_\_\_\_\_\_\_\_\_\_\_ trimester: fetus more active, developed



\_\_\_\_\_\_\_\_\_\_\_\_ trimester: all organs fully formed



The mother affects the \_\_\_\_\_\_\_\_\_\_\_\_, and pregnancy affects the \_\_\_\_\_\_\_\_\_\_\_\_\_\_.

* The fetus depends on the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ for all its \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
	+ mother's diet must support \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	+ mother must avoid \_\_\_\_\_\_\_\_\_\_\_\_ chemicals
* The mother’s health is affected by pregnancy in a number of ways.
	+ increase in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and body weight
	+ pregnancy \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ affecting homeostasis
	+ regular medical \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ needed