



























TRUE OR FALSE?

 Approximately 20% of all embryos are aborted spontaneously

■ TRUE! This is most often due to chromosomal abnormalities



8 Weeks

- The embryo is now recognizable as a human
 - The embryo now weighs 1 gram and is 1 inch long
- <u>All</u> the basic organs and body parts of a human being (except sex organs)
 - The "tail" is no longer visible and is now incorporated into the lower spine

The <u>placenta</u> also forms during this early period

The placenta is a mass of tissue attached to the uterine wall that acts as a life-support system for the fetus



Connects its circulatory system with the mother

The embryo and placenta are connected by the umbilical cord



The Fetus Week 9-Birth

- <u>The Brain</u> grows dramatically (6 times in size) and becomes responsive during this time.
- At 22 weeks the fetus reaches the <u>"Age of viability</u>", which is the age a preterm baby can survive.
 - There is only a 50% survival rate at 26 weeks



The Brain MUST be able to sustain the body for survival

Without proper brain development, the most advanced technology cannot keep the body alive







