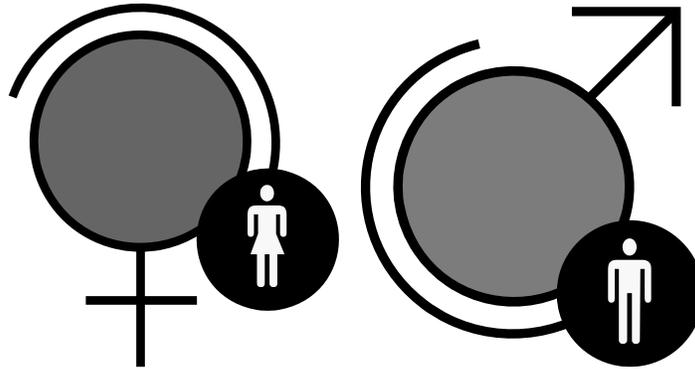


A CLOSER LOOK AT CONCEPTION



SEX DETERMINATION

- The sex of a child is determined at the moment of _____
- The _____ contains special chromosomes which are called ____ chromosomes
- _____ also contain special chromosomes but they are either _____ chromosomes.
- If the child receives X from the mother and X from the father, it's a _____
- If the child receives X from the mother and Y from the father, it's a _____

_____ = GIRL

_____ = BOY

- The sex of the child is determined by the _____

MULTIPLE BIRTHS

There are two types of twins:

- _____ twins are produced when the zygote splits completely apart to form two separate babies
- _____ twins are more common – this occurs when two eggs are released at the same time and each is fertilized by a different sperm. They may or may not be the same sex and are no more _____ than any other brothers or sisters.
- In multiple births of more than two, the babies may be identical or fraternal or a _____ of both.

INFERTILITY

Not all couples who want to have children are able to conceive. A couple's _____ (inability to conceive children) may have many causes. The problem may be with the man, woman or both. It is estimated that _____ of all couples who would otherwise have been childless are able to _____ after medical treatment.



1. Adoption:

- For couples who are unable to conceive a child on their own (or for those interested in helping others)
- Can provide a loving family for one or more children who may not otherwise have one

2. Artificial Insemination:

- Sperm is _____ into a woman's uterus during the fertile period using a special needle
- Sperm can be from a husband or a _____ (usually happens if there is a history of genetic disorders or infertility on the man's side)

3. In Vitro Fertilization:

- A woman's damaged _____ tubes or problems with egg production prevent pregnancy so a doctor removes an egg (or multiple eggs) from the ovary
- Sperm is added to the egg _____ of the body and once _____ occurs, it is placed into the uterus in the hope that it will _____ itself to the lining

4. Ovum Transfer:

- Egg _____ supplies egg which is fertilized by man's sperm and then placed into the infertile woman's uterus
- Similar to _____ except it is the woman who is either infertile or has a history of genetic disorders

5. Surrogate Mother:

- Various options in which another woman _____ a child for another couple
- May be due to a woman's _____ to carry or be pregnant (in which case it is common to use the couple's embryo)
- May be due to the infertility of the woman (in which case it would be done by artificial insemination and would be the man's sperm with the surrogate's egg)