

## Reproductive Anatomy and Conception

Presented by: Shannon Jones (HP) and Nikki Krocker (Dept. of Ed)

### Topic

- Reproductive anatomy and conception

### Audience

- Grades 4-7

### Time

- 60 minutes

### Learning Standards

- Physical, emotional, and social changes that occur during puberty and adolescence (grade 4 and 7)

### Objective or Intention

- Students will be able to name the parts and function of the male reproductive system
- Students will be able to name the parts and function of the female reproductive system
- Students will be able to describe reproduction/conception and sexual intercourse
- Students will increase their comfort level with the language of human sexuality and sexual health.

### Intro (5 minutes)

- **Introduce presenters and organization:** Shannon (HP) and Nikki Krocker (Dept. of Ed)
- **Introduce question box:** Anonymous question box, everyone has to write something down (even if it's not a question), teacher will answer the question in the next class.
- **Introduce objectives:** Today we will talk about reproductive anatomy (male/female) and conception/pregnancy.
- **Notes:** Write names on the board along with local resources (school counsellor, 1-800-668-6868 and <https://kidshealth.org/en/kids/>)

### Activities (40 min)

#### Activity 1: Male Reproductive Anatomy (20 min) Shannon Jones (HP)

**Ask:** What can the body do once we finish puberty that we couldn't do before? (Answer: able to make a baby)

**Explain:** We talked about puberty changes that our bodies go through, but there is a little more to the reproductive system that is going on to actually make a baby. The male and female reproductive systems are composed of external and internal organs. We have brought a really cool book to help us explain how both reproductive systems function to create a baby. Before we look at the book we are going to use diagrams to introduce some body science terms.

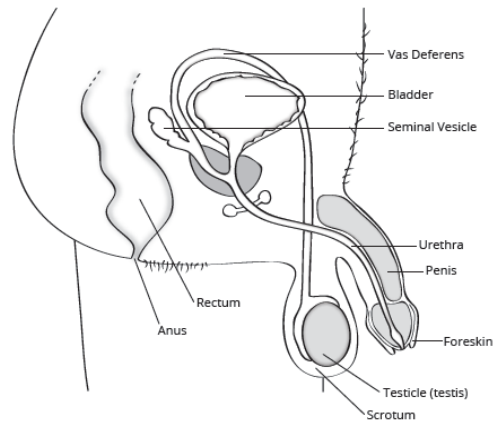
**Explain:** The male reproductive system is used for pleasure and reproduction. Reproduction is the ability to create a baby. The reproductive system is made up of external and internal body parts.

**Draw/Explain: Male external** (*students do not need to know/remember terms, but we need to introduce the terms*):

- Penis
- Scrotum -sac of skin that hold testicles
- Foreskin-all boys born with foreskin. It is skin that covers the tip of the penis. May be removed as a baby for several reason (religious/cultural reasons, their father was, personal preference)
- Anus – not part of the reproductive system, but important to know

**Male internal** (*students do not need to know/remember terms, but we need to introduce the terms*):

- Testicles - where sperm is produced, housed in the scrotum
- Vas deferens - carry sperm from testicles to the urethra
- Prostate – Secretes fluid that helps create semen
- Urethra – carry semen and urine out of the body



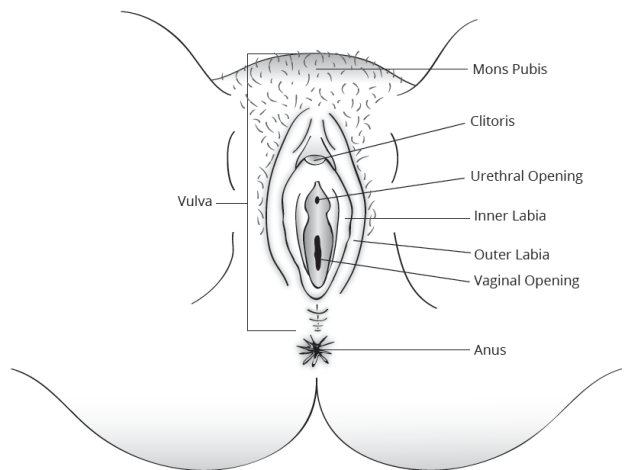
**Explain: Path of sperm** (*use Facts of Life book*): The sperm are made and mature in the testicles. When someone with a penis gets an erection they can also ejaculate. During an ejaculation the sperm travel through the vas deferens, mixing with fluid from the prostate gland to form the fluid called semen that eventually leaves through the urethra in the penis during ejaculation. *Note: You can't pee during an ejaculation because a valve to the bladder closes off.*

**Activity 2: Female Reproductive Anatomy (20 min) Shannon Jones (HP)**

**Explain:** The female reproductive system is used for pleasure and reproduction. Reproduction is the ability to create a baby. The reproductive system is made up of external and internal body parts.

**Draw/Explain: Female external reproductive system** (*students do not need to know/remember terms, but we need to introduce the terms*):

- Vulva - folds of skin that make up genitals
- Outer Labia - fold of skin
- Inner labia – grows during puberty
- Clitoris -bunch of nerve endings that a very sensitive
- Urethra -urine leave the body through here
- Vagina -menstrual fluid and baby leave here
- Anus- stool leaves body through this opening



## Female internal reproductive system (use Facts of Life book):

- Ovary - houses ovum
- Fallopian tubes – carry egg/ovum to uterus
- Fimbria – on the end of the fallopian tube and grabs the egg once released from ovary
- Uterus- houses baby
- Cervix - passage from vagina to uterus - keeps baby in

## Review Menstruation (use Facts of Life book):

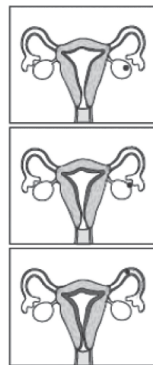
Ovum or egg leaves the ovary and travels down the fallopian tube through the cervix and into the uterus. During this time, if there are no sperm that join with the egg, the ovum and lining of the uterus shed and leave the body through the vagina approximately once a month, which is called menstrual period.

## Activity 3: Conception/Pregnancy Shannon Jones (HP)

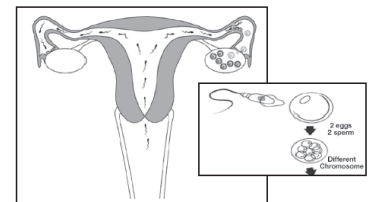
### Explain (use Facts of Life book):

- When sperm meets the egg
- Happens through sexual intercourse or with help of a doctor
- When an egg is fertilized it implants in the uterus lining
- Grows in the uterus for 9 months or 40 weeks
- Gets nutrients from umbilical cord
- Leaves body through vagina or if too big or not facing head down the doctor will perform a procedure called a caesarean section or C-section. Make an incision in the abdomen/uterus and take the baby out.
- Umbilical cord is cut and that is your first scar

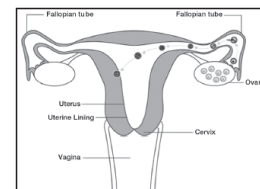
Step 1: Ovulation



Step 2: Fertilization



Step 3: Implantation



**Activity 4: Worksheets** Students work in partners to fill out reproduction handout and review answers as a class (see end of lesson plan) Nikki Krocker (Dept. of Ed)

## Closing (10 minutes) Nikki Krocker (Dept. of Ed)

### Review:

Today we talked about:

- Male reproductive system
- Female reproductive system
- Conception

**Remind** students that there are local resources they can use if they have more questions (school counsellor, 1-800-668-6868, and <https://kidshealth.org/en/kids/>)

### Materials

- Reproduction question sheet
- Facts of life book
- Questions box

## Reproduction continued

### What makes a baby?

1. The recipe to make a baby is: \_\_\_\_\_ + \_\_\_\_\_ = baby.
2. The baby grows in the \_\_\_\_\_.
3. The baby usually stays in the \_\_\_\_\_ for \_\_\_\_\_ months or \_\_\_\_\_ weeks.
4. The baby is born through the \_\_\_\_\_ or the \_\_\_\_\_.
5. Sexual intercourse is when the man's \_\_\_\_\_ goes inside the woman's \_\_\_\_\_.
6. Sexual intercourse is for \_\_\_\_\_.
7. If someone tried to have sexual intercourse with me, I would say \_\_\_\_\_ and then I would \_\_\_\_\_ my \_\_\_\_\_.
8. My body belongs to \_\_\_\_\_.

Use the words below to fill in the blanks above:

Me	C-section	Egg
No	Vagina	Penis
Tell	Adults	Vagina
Trusted	Sperm	Uterus
Adults	Consenting	Nine
Uterus		Forty

(Worksheet provided by Kerri Isham's book-Puberty Coming to a body near you)