STUDENT POWER POWNT PACKETS

Human Growth and Development/STI and AIDS Health B Packet	
Name:	
Class Period:	

Introduction and Anatomy Day 1

CASE STUDY

- * Read case study to class (Flash pg4, 5)
- * Journal: What could have been done differently in this case study? How would you respond to Rob if you were the teacher?

Language Levels for topics:

1.Childish #

"#1, #2"

2. gutter:(

3. social

★4. medical

Social:

Medical:

"making love or doing it" "

"sex" or "sexual intercourse"

"her time of the month"

"period"

"boobs"

"breasts"

"balls"

"testicles"

Puberty for a girl

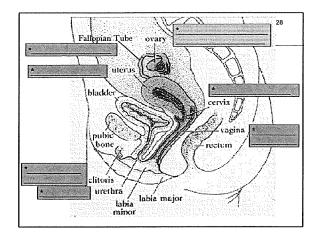
Females—usually starts between and up to 16 years of age

- growth and filling out of breasts; larger rounder hips and buttocks
- 2. growth of hair
- 3. oiller skin and hair + appearance of pimples or
- 4. begins to have
- 5. becomes more aware of the opposite
- 6. becomes more conscious of appearance

But, puberty will pass. Suddenly at about age 15, it all evens out and everybody's back at the same stage of life again!

Purpose: To produce and nourish a mature egg from fertilization to birth

FEMALE REPRODUCTIVE SYSTEM



2. FALLOPIAN TUBES

- * Part of the female reproductive tract
- **x** 3-4 inch tube extends from the ovary into the
- ★ The mature egg travels from the ovary to uterus via these tubes
- * Muscular contractions move egg along
- × ____occurs here!!
- ★ Ectopic Pregnancy

3. UTERUS

- x The Womb
- ➤ Pear-shaped organ that holds and nourishes the growing embryo and fetus
- * ENDOMETRIUM: inner wall of the uterus, where the fertilized egg attaches the wall. The endometrium forms the _____ in which the baby is housed
- × ______ is shed during menstruation

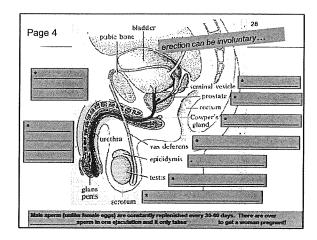
4. CERVIX

- * The lower end of the uterus that protrudes into the vagina
- * Known as the neck of the uterus
- Made of thick muscle and the opening is covered with a thick mucus
- ★ EFFACEMENT: During childbirth, the muscle of the cervix thins out and the mucus disappears
- ★ Cervix must dilate to _____for birth to happen

5. VAGINA

- × The
- ★ Extends from the base of the uterus and cervix, to the outer genitals of the female
- * The organ for sexual intercourse
- * Very effective self-cleaning organism

*: the large, outer 'lips' at the opening of the vagina *: the smaller, inner 'lips' at the opening of the vagina * Serve 2 functions + Allow the penis to enter for fertilization to occur + Protect the inner reproductive systems from infection and disease	* A sensory organ located anterior to the urethra- equivalent to the tip of the penis in males * Plays no role in actual reproduction * Egg can still be fertilized without arousing the clitoris (orgasm does not need to occur for to occur)
Yes a second se	10. BLADDER * A hollow, muscular organ that stores urine until it is ready to be from the body
THE MALE BEPBORUCTIVE SYSTEM	Puberty for a boy and boy issues: Males—usually starts betweenup to 16 years old: 1. grows taller and more muscular 2. growth of 3. oilier skin and hair + appearance of pimples or acne 4. perspires a great deal 5. change in lower and deeper (cracking or breaking) 6. becomes more aware of the opposite sex The Adam's apple is more pronounced in human males because male sex hormone during puberty influences its growth.



PENIS (1)
* the function of the penis is to transferto the female
reproductive system.

URETHRA (2)	
* tube that the tube that	leaves the body, as well as leaves the body.

TESTES (3)
* two oval structures that are approximately 1 ½ inches long and about 1 inch wide
×is produced here
* testosterone, the male hormone, is produced here
× testes are in humans due to body temperature being too high

SCROTUM (4)

- * bag-like structure of skin and muscle that surrounds the testes
 - + primary job is to ______of testes, to ensure sperm production
 - + If exposed to cold, the scrotum will shrink, drawing the testes closer into the abdomen
 - + If exposed to heat, the scrotum will loosen, so that the testes are away from core body heat

EPIDIDYMIS(5)

- * located on the back side of each testes. A coiled tube about _____
 - + this is where sperm are allowed time to mature
 - + they will now have the ability to swim

VAS DEFERENS (6)

- * once mature, the sperm enter this tube for storage
 - + the tube is approximately 12 inches long
 - + during ejaculation, the muscular walls of the vas deferens propels the sperm forward, and then leaving the body
 - + ______- means to discharge suddenly.

 Estimated the sperm leave the body at about 200 feet per second.

PROSTATE GLAND (7)

- * about 1 ½ inches long, located below the bladder
 - + during ejaculation, this gland adds a milky fluid to the sperm.
 - + This fluid contains substance that '____' the sperm, and cause them to wave their flagella
 - + Makes up about 1/3 of the volume of the semen

SEMINAL VESCICLES (8)

- * attached to the back wall of the bladder, about 2 ½ inches long
 - + add a mucus-like fluid to the sperm
 - + the fluid is full of proteins and sugar, to ensure the survival of the sperm until _____occurs

COWPER'S GLAND(9)

- * two pea-sized glands
 - + They produce ______ a clear fluid that lubricates the urethra for ejaculation, and to clean out any urine or foreign bodies found in the urethra

CAVERNOUS TISSUE (10)

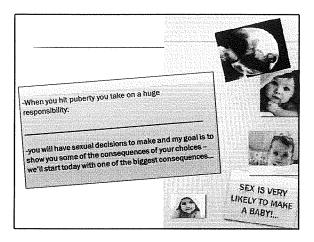
- * Three cylindrical structures made of
- when this tissue fills with blood, the penis becomes stiff (or erect)

GENDER IDENTITY

- * _____: how a person feels on the inside, the person's inner sense of being male, female, both or neither.
- * ____: how a person walks, talks, dresses or acts.
 - + If a person doesn't act like society expects a boy or girl to act, they may consider themselves

×	: refers to who a person
likes	the genders of the people they feel most ly or romantically attracted to.
-	: People primarily attracted to of another gender.
	: People are primarily attracted to of their own gender.
	: People attracted to people of han one gender.

Conception-Birth Day 2 & 3



3,0434

THE BEGINNING OF THE LIFE CYCLE

- Once a couple has decided to start a family, they may try to conceive, or get pregnant.
- In a fertile woman's body, about once a month an egg enters one of the _____and begins its journey to the uterus.

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- If the egg is on its way to the uterus, a sperm may fertilize it. This moment of fertilization is also called

End of State

S5de 35 of 21

The Beginning of the Life Cycle • FERTILIZATION

- Only a few hundred sperm of the hundreds of millions that enter the vagina usually make it to the egg, and only _____ can fertilize it.
- In the first week after fertilization, the fertilized egg undergoes many cell divisions and travels to the

End of 5%de Slide 38 of 21

The Beginning of the Life Cycle THE ZYGOTE

- The united egg and sperm is called _______
- Within 36 hours, while the zygote is still traveling through the fallopian tube, it begins to divide.

End of Stde S5de 37 of 21

The Beginning of the Life Cycle **© CELL DIVISION**

- The original cell divides to make two cells.
- · The two-celled embryo divides into four cells, and so on, until the embryo is made up of ___

End of Skde

Stide 38 of 21

The Beginning of the Life Cycle **O THE BLASTOCYST**

- From the two-cell stage until about nine weeks after fertilization, the growing structure is called
- · About five days after fertilization, the structure, called , is no longer a solid mass of cells, but a sphere of cells surrounding a hollow center.

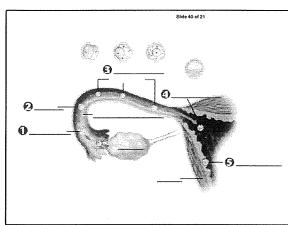
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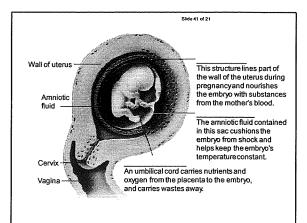
Slide 39 of 21

The Beginning of the Life Cycle **9** IMPLANTATION

- · Once the blastocyst forms, it begins to attach itself to the wall of the uterus.
- · The process of attachment is called

End of Stde





Side 42 of 21

DEVELOPMENT IN THE UTERUS

- · While the embryo grows, several other structures also develop.
- · These structures—the amniotic sac, placenta, and umbilical cord-protect and nourish the developing _, and later the fetus.

End of Side

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AMNIOTIC SAC

- Soon after implantation, a fluid-filled bag of thin tissue called the ______develops around the embryo.
- Inside the sac, the embryo floats in amniotic fluid.

End of 5kde Slide 44 of 21

PLACENTA

- The attachment holding the embryo to the wall of the uterus develops into a structure called the
- Within the placenta, oxygen and nutrients move from the mother's blood into tiny blood vessels that lead to the embryo.

End of Side

Slide 45 of 21

UMBILICAL CORD

- About 25 days after fertilization, a cordlike structure called the ______develops between the embryo and the placenta.
- Blood vessels in the umbilical cord carry nutrients and oxygen from the placenta to the embryo and wastes from the embryo to the placenta.

End of Slide Stide 46 of 2

THE GROWING EMBRYO

- During the first two months of development, the major body systems and organs start to form in the embryo.
- By the end of eight weeks, the embryo is about an inch long and has _____ external features.

End of State

55de 47 of 2

THE FETUS

- From the third month until birth, the developing human is called a
- During the third to sixth month, the fetus begins to move and kick.
- By the end of the ninth month, the fetus is ready to be born.

End of Side

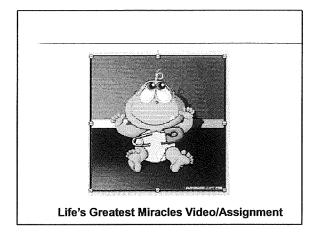


▲Fetus at 3 months

Slide 48 of 21

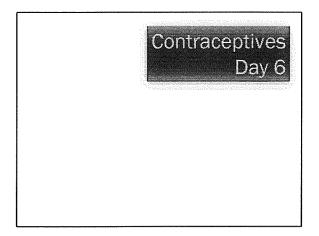
V Fetus at 8 months

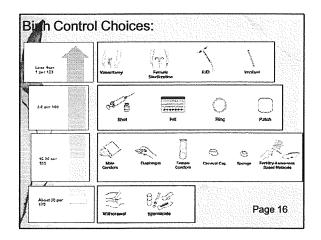


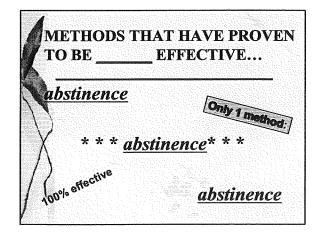


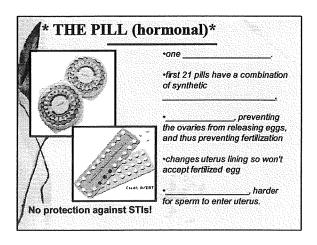
BOOK WORK

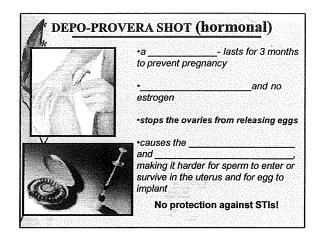
- * Read pages 492-496 and 498-503
- * Cornell Notes, include important information, vocab and review answer review questions

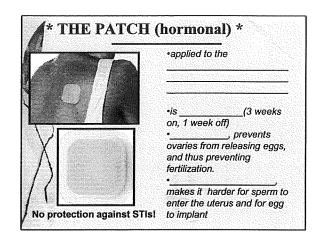


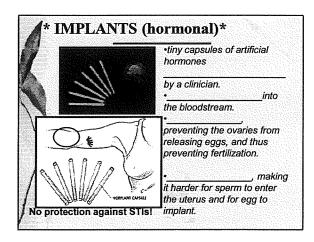


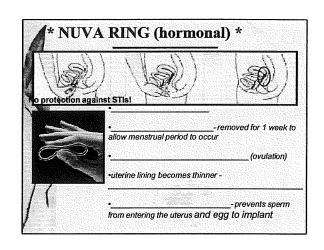


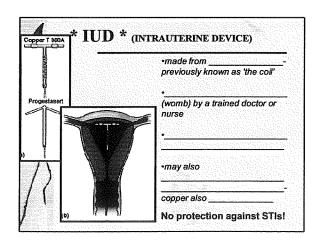


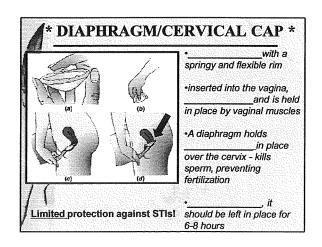


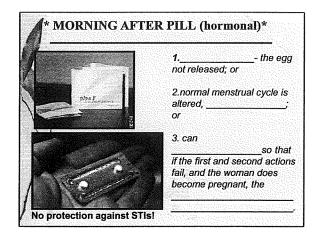


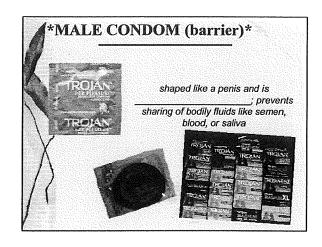


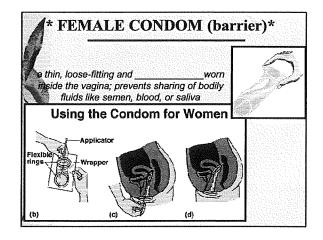


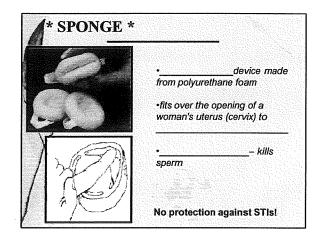


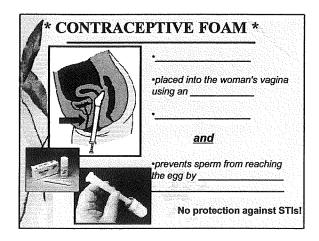


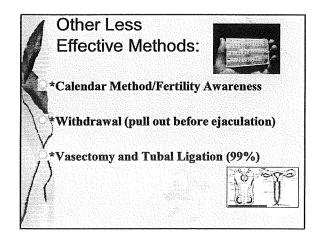


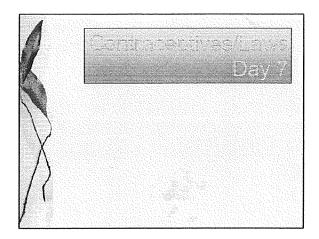


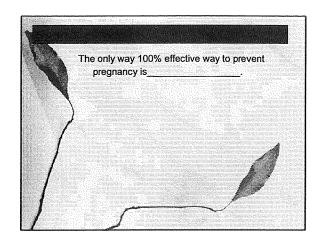


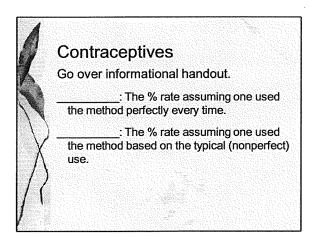


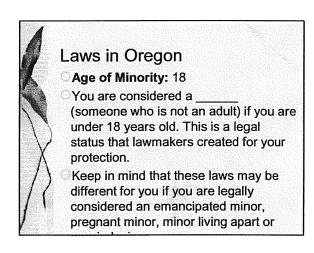


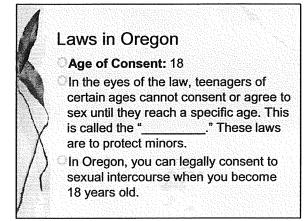


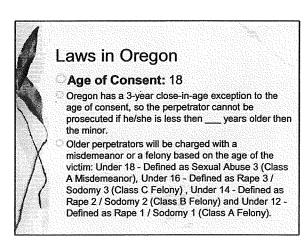














Laws in Oregon

Statutory Rape

- Third-degree rape to have sexual intercourse with a person under age 16. Defense that the offender was less than three years older than the victim at the time of the offense. Up to five years in prison.
- Second-degree rape to have sexual intercourse with a person under age 14. Defense that the offender was less than three years older than the victim at the time of the offense. Up to 10 years in prison.
- First-degree rape to have sexual intercourse with a person under age 12. Up to 20 years in prison.



Teen Rights in Oregon

LGBTQ Rights

- Public schools in your state have a Safe Schools Law in effect, which is a statewide anti-harassment and/or nondiscrimination law that includes the categories of sexual orientation and gender identity.
- There are statewide anti-bullying laws to protect students based on sexual orientation and gender identity.
- There are statewide anti-discrimination laws, which include sexual orientation and gender identity. State hate crimes laws also provide protections for sexual orientation but not gender identity.



Teen Rights in Oregon

HIV / AIDS Testing

- You don't need permission from your parent or guardian to get tested for sexually transmitted diseases (STDs) and HIV, or to consent to treatment in your state.
- If you are a minor, it is important for you to ask questions about confidentiality when you call to make your appointment.
- Oregon offers both and HIV testing. This means that if you get tested for HIV, you can choose to either have your results confidentially reported to the health department using your name, or have your results anonymously reported to the health department using a number code, not your name.



Teen Rights in Oregon

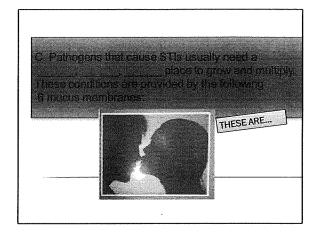
- Condoms: You can buy condoms, and you do not have to be a certain age to buy them. Teers of any age can buy condoms from a drugstore, pharmacy, grocery store, or even online. You can get condoms for free or at a reduced cost from health clinics.
- Birth Control: All minors are allowed to get a prescription for birth control without a parent's permission. However, a doctor may (but is not required to) inform your parents/guardian.
- Emergency Contraception: People of any age can buy Plan B One-Step without a prescription over the counter at a local pharmacy. Next Choice, Next Choice One Dose, My Way and Levonorgestrel are approved for sale without a prescription to those who are 17 and obter from a pharmackt. If you are 16 or younger, you will need a prescription for Next Choice, Next Choice One Dose, My Way and Levonorgestrel. The EC pill ella is only available with a prescription requiriless of age.
- Pregnancy: You do not need a prescription from a doctor or health care provider to get a pregnancy test. You can purchase a pregnancy test from a pharmacy, grocery store, or online.

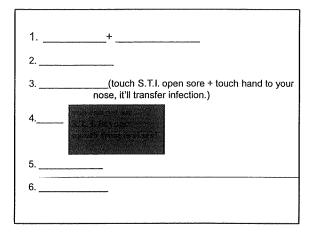


The surest way to prevent STDs is

_____. However, be aware some STIs can be contracted through the mouth, open sores, needle sharing,

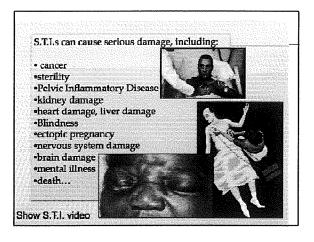
blood transfusions, from mother to infant in the womb or during birth, and through contact without sex.



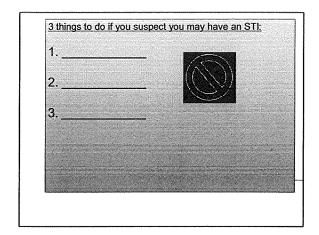


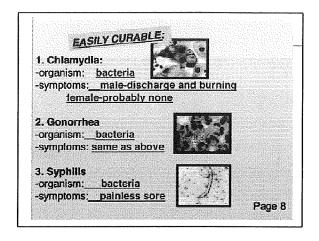
D. S.T.I.s can be passed from:

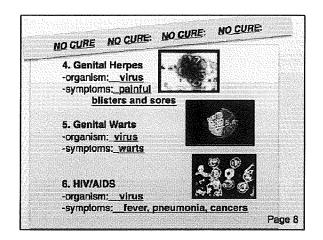
-penis to vagina
-penis to anus
-oral to genital
-sore to other mucus membrane (hand to eye, etc.)
-blood to mucus membrane (open cut, or through a dirty needle, etc.)
-mom to baby (through the placenta during pregnancy, during delivery, or through breast milk)

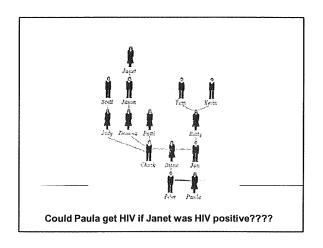


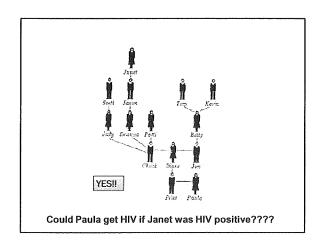
STI's in Review Can be _____ with little damage to with little damage to the body; if caught early. the body; if caught •Genital Warts early ${ullet} Chlamydia$ Scabies •Herpes \circ Gonorrhea •Pubic Lice •Hepatitis B/C ("Crabs") Syphilis ·HIV/AIDS



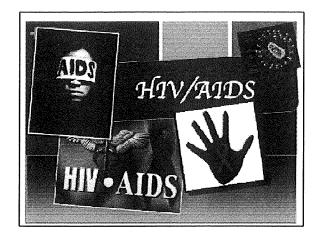


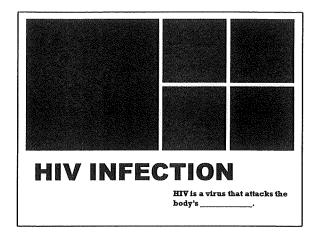






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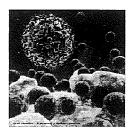


LYMPHOCYTES

- made in bone marrow
- Human body contains billions found in blood, spleen, lymph nodes, appendix, and tonsils.
- # Fight disease causing organisms (pathogens)
- Two types of lymphocytes

T cells and B cells

- T-helper cells, a type of cell that stimulates B cells to ______.
- Antibodies are proteins that help destroy pathogens that enter the body.
- What makes HIV unique is that it attacks the T cells



	HIV	
1	2	<u>.</u>
3		Decreasing in
4		

HIV AND AIDS

- ■Decrease in T-helper cells _____the ability of the immune system to fight pathogens
- ■The body is now vulnerable to illnesses.

Acquired Immune Deficiency Syndrome

OTHER STATISTICS

Of the _____of diagnoses of AIDS through December 2007, patients' ages at time of diagnosis were distributed as follows:

m Age#	Cumulative AIDS Cases'
Under 13:	9,300
Ages 13 to 14:	839
Ages 15 to 24:	35,460
Ages 25 to 34:	391,278
Ages 35 to 44:	347,869
Ages 45 to 54;	138,386
Ages 55 to 64:	40,584
Ages 65 or older:	12,888
s Information for presentation: Glasco-	Bealth, & Guide to Wellnessand CDC

OTHER STATISTICS

of diagnoses of AIDS through December 2007, by race or ethnicity:

■ Race or Ethnicity # of Cumulative AIDS Cases

White, not Hispanic 364,458

Black, not Hispanic 347,491

Hispanic 163,940

Asian/Pacific Islander 6,924

American Indian/Alaska Native 2,875

Unknown or multiple race 887