

Human Reproduction & Anatomy Breakaway

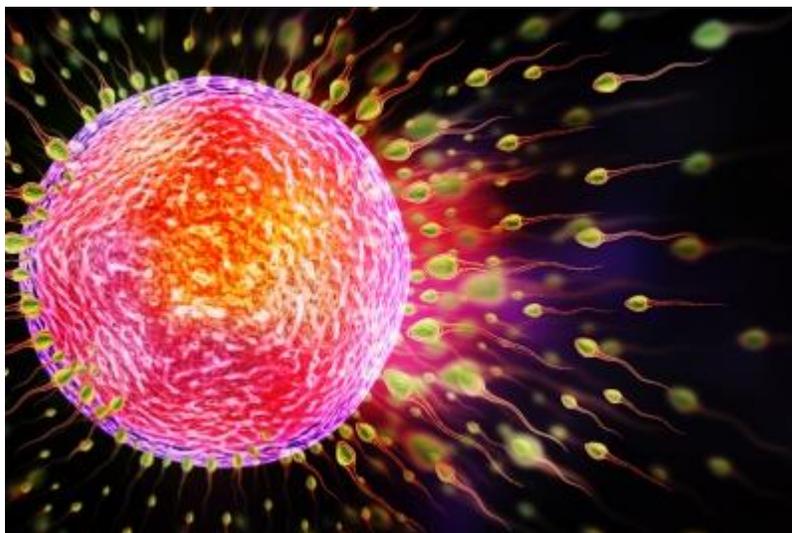


Image courtesy of Dream Design at Free Digital Photos

Challenge #1: Who Do I Belong To? Male? Female? Both? Neither?

Identify the term as male, female, both or neither. Male=scrotum, semen, sperm, penis, epididymis, vas deferens, testicles, seminal vesicles, & ejaculation. Female= Fallopian tubes, ovulation, cervix, uterus, vagina, ovaries, & ovum. Both=bladder & urethra. Neither= none.

If you labeled the terms correctly, the code to unlock the next challenge box will be the numbers corresponding to the number of male terms, the number of female terms, the number of both terms and the number of neither terms.

Code: 9720

Challenge #2: What's My Function? Match the Reproductive Systems

KEY:

Male: A: 7, B: 4, C: 5, D: 8, E: 1, F: 6, G: 2, H: 3

Female: A: 7, B: 8, C: 6, D: 2, E: 3, F: 4, G: 9, H: 5, I: 1

The corresponding code to unlock the next box is...

The testicle (#) are to the sperm (#) what the ovary (#) is to the egg/ovum (#) = _____

Code: 4265

Challenge #3: Label the Diagrams

Female Diagram—Key

1. *Vagina* 2. *Cervix* 3. *Uterus* 4. *Fallopian Tube* 5. *Ovary* 6. *Fimbria--guides/waves the egg/ovum into the Fallopian Tube*

Male Diagram—Key

1. *Vas Deferens* 2. *Bladder* 3. *Penis* 4. *Urethra* 5. *Scrotum* 6. *Testicle* 7. *Epididymis* 8. *Seminal Vesicle*

****Students must show completed diagrams to teacher in order to receive the clue codes.**

The Clue Code to unlock the final challenge =

- The # of the organ where eggs are made _____
- The # of the organ where sperm are made _____
- The # of the organ where fertilization takes place _____
- The # of the organ where the fertilized egg develops into a fetus _____

Code: 5643

Challenge #4: The Journey of the Egg & Sperm Cross-Word Puzzle

Read the [Journey of the Egg & Sperm](#) and use it to complete the crossword puzzle.

EGG-- The sperm's love interest

UTERUS-- Sperm often get lost here

TINY-- Sperm are great in number but INYT (unscramble) in size

TWO-- May take this many hours for sperm to reach the fallopian tube

FALLOPIANTUBE-- Egg's hideout

SPERM-- Only 10,000 of these make it to the fallopian tube

ENZYME-- Released when fertilization occurs

ONE-- Number of sperm typically needed to penetrate the egg for pregnancy to occur

ZYGOTE-- Created at fertilization by egg and sperm

BLASTOCYST --100 cells formed during fertilization

ENDOMETRIUM --Located on uterine wall where zygote will implant itself

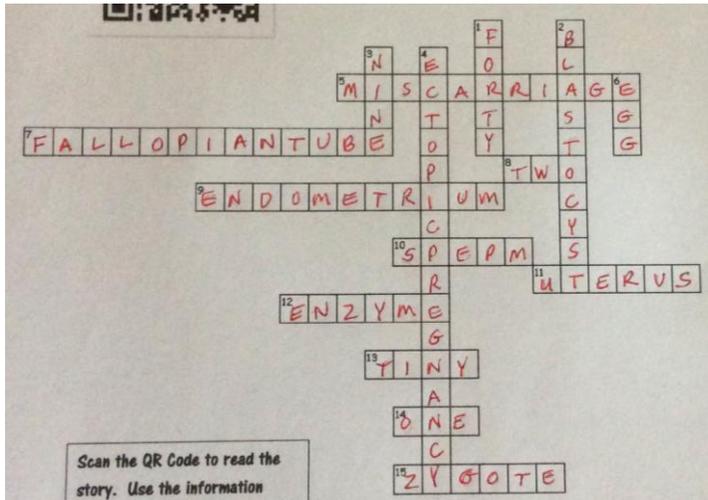
NINE-- Number of months baby will grow and develop in the uterus

ECTOPICPREGNANCY-- Occurs when fertilized egg implants in the Fallopian Tube instead of the uterus

MISCARRIAGE-- Spontaneous loss of pregnancy prior to 20 weeks

FORTY-- Full gestation is most often this many weeks

Key



Winner

The first group to have the correct answers will receive the key to open the final box.

Box Contents

Storage Box or Ziploc Bag: One copy of Challenge #1 (page 5) along with pencils.

Breakout Box #1: One copy of Challenge #2 (page 6) per group along with pencils.

Breakout Box #2: One copy of Challenge #3 (pages 7-9) per group along with colored pencils or crayons. You will also need at least one iPad or device with a QR Code Reader. **Note:** Copy the code clue separately as you will provide to students upon completion of diagrams. Also, you may want to copy the diagrams on separate pieces of paper to avoid flipping, but that's your call.

Breakout Box #3: One copy of Challenge #4 (page 10) per group along with Down & Across Clues (page 11) and pencils. You will also need at least one iPad or device with a QR Code Reader.

Final Breakout Box: Positive Winner Posters/Messages & Prize

Challenge #1

**Who Do I Belong To?
Male? Female? Both? Neither?**

If the term belongs to the male, write M on the line. If the term belongs to the female, write F on the line. If the term belongs to both, write B on the line. If the term belongs to neither gender, write N on the line.

- | | | |
|-----------------------|--------------------|-----------------------|
| _____ Scrotum | _____ Bladder | _____ Testicles |
| _____ Semen | _____ Epididymis | _____ Vagina |
| _____ Fallopian Tubes | _____ Cervix | _____ Ovaries |
| _____ Sperm | _____ Vas Deferens | _____ Ovum |
| _____ Ovulation | _____ Uterus | _____ Seminal Vesicle |
| _____ Penis | _____ Urethra | _____ Ejaculation |

If you labeled the terms correctly, the code to unlock the next challenge box will be the numbers corresponding to the number of male terms, the number of female terms, the number of both terms and the number of neither terms.

_____ # of "Male" Terms

_____ # of "Female" Terms

_____ # of "Both" Terms

_____ # of "Neither" Terms

Challenge #2

What's My Function? Match the Reproductive Systems

MALE REPRODUCTIVE SYSTEM

- | | |
|-----------------------|---|
| _____ A. ejaculation | 1. enlargement of penis due to sexual stimulation |
| _____ B. testicle | 2. male sex-cell |
| _____ C. semen | 3. male sex organ |
| _____ D. vas deferens | 4. organ where sperm is produced |
| _____ E. erection | 5. fluid produced by glands, carries sperm also |
| _____ F. scrotum | 6. sac that houses testicles |
| _____ G. sperm | 7. release of sperm during sexual intercourse |
| _____ H. penis | 8. tubes that transport sperm to penis |

FEMALE REPRODUCTIVE SYSTEM

- | | |
|--------------------------|---|
| _____ A. fertilization | 1. release of egg from ovary |
| _____ B. menstruation | 2. place where fertilized egg develops into a baby |
| _____ C. ovary | 3. acts as site of intercourse as well as the birth canal |
| _____ D. uterus | 4. passage way from vagina to the uterus |
| _____ E. vagina | 5. female reproductive cell |
| _____ F. cervix | 6. organ where female sex cell is produced |
| _____ G. fallopian tubes | 7. union of egg and sperm |
| _____ H. egg/ovum | 8. flow of blood due to break-down of uterine wall |
| _____ I. ovulation | 9. fertilization occurs here |

The corresponding code to unlock the next box is...

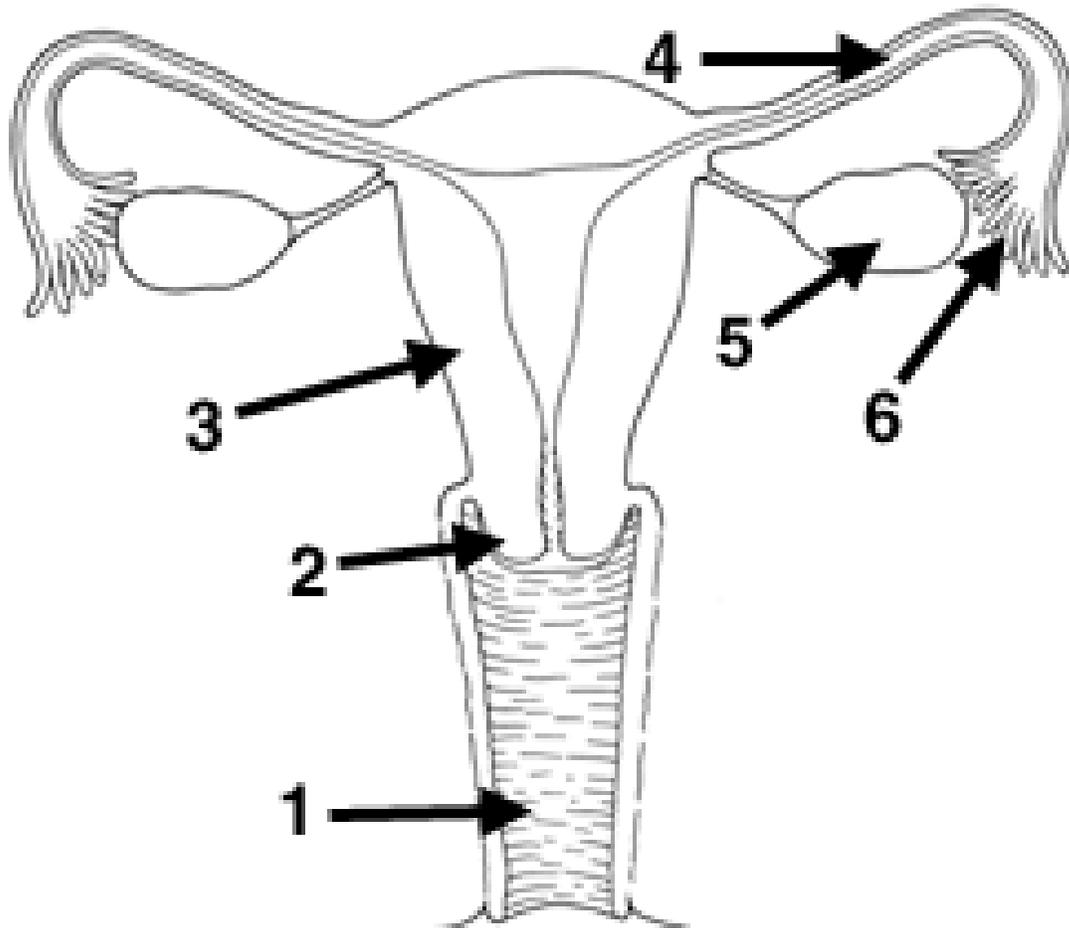
The testicle (#) is to the _____ (#) what the ovary (#) is to the _____ (#) =



Challenge #3
Label the Diagrams

Scan the QR Code to help you label and color the FEMALE anatomy diagram below.

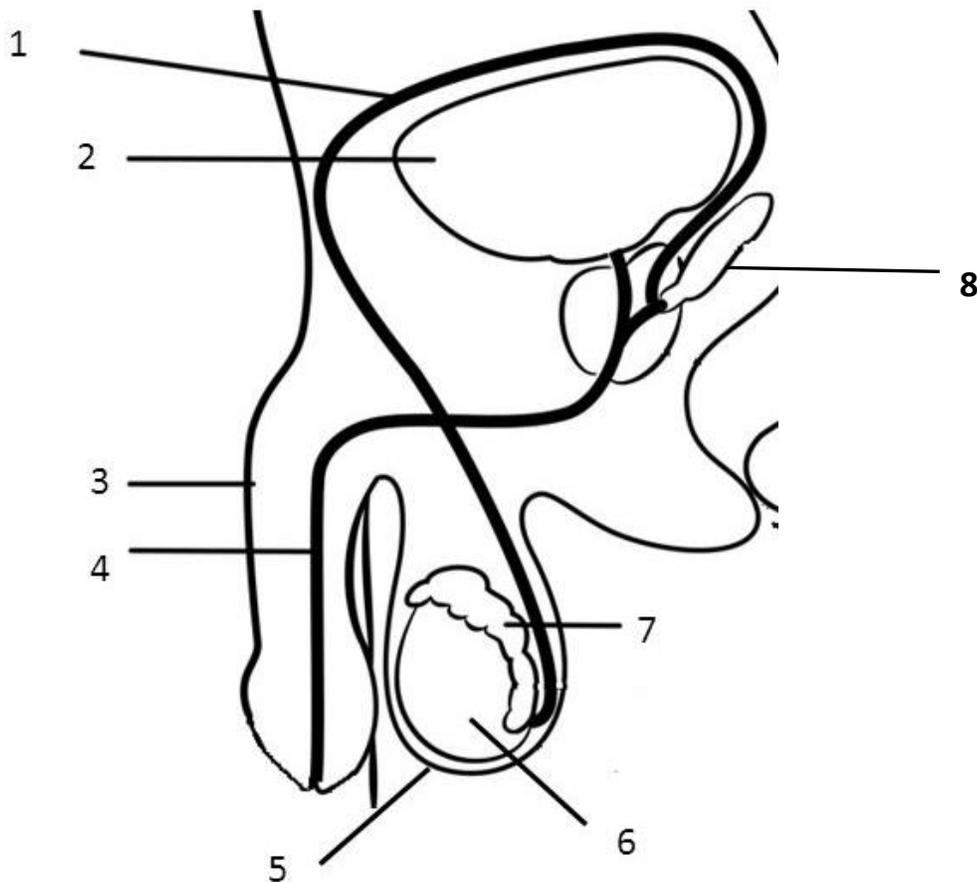
- _____ =#1: Color PURPLE
 - _____ =#2: Color YELLOW
 - _____ =#3: Color RED
 - _____ =#4: Color GREEN
 - _____ =#5: Color ORANGE
 - _____ Fimbria =#6: Color BLUE- → What does it do?
-





Scan the QR Code to help you label and color the MALE anatomy diagram below.

- _____ =#1: Color BLACK
- _____ =#2: Color YELLOW
- _____ =#3: Color RED
- _____ =#4: Color GREEN (outline)
- _____ =#5: Color ORANGE
- _____ =#6: Color BLUE
- _____ =#7: Color BROWN
- _____ =#8: Color PURPLE



Show the completed diagrams to the teacher to receive the clue to the code that unlocks the next box! Teacher signature:

Clue Code to open the final challenge=

- The # of the organ where eggs are made _____
- The # of the organ where sperm are made _____
- The # of the organ where fertilization takes place _____
- The # of the organ where the fertilized egg develops into a fetus _____

Clue Code to open the final challenge=

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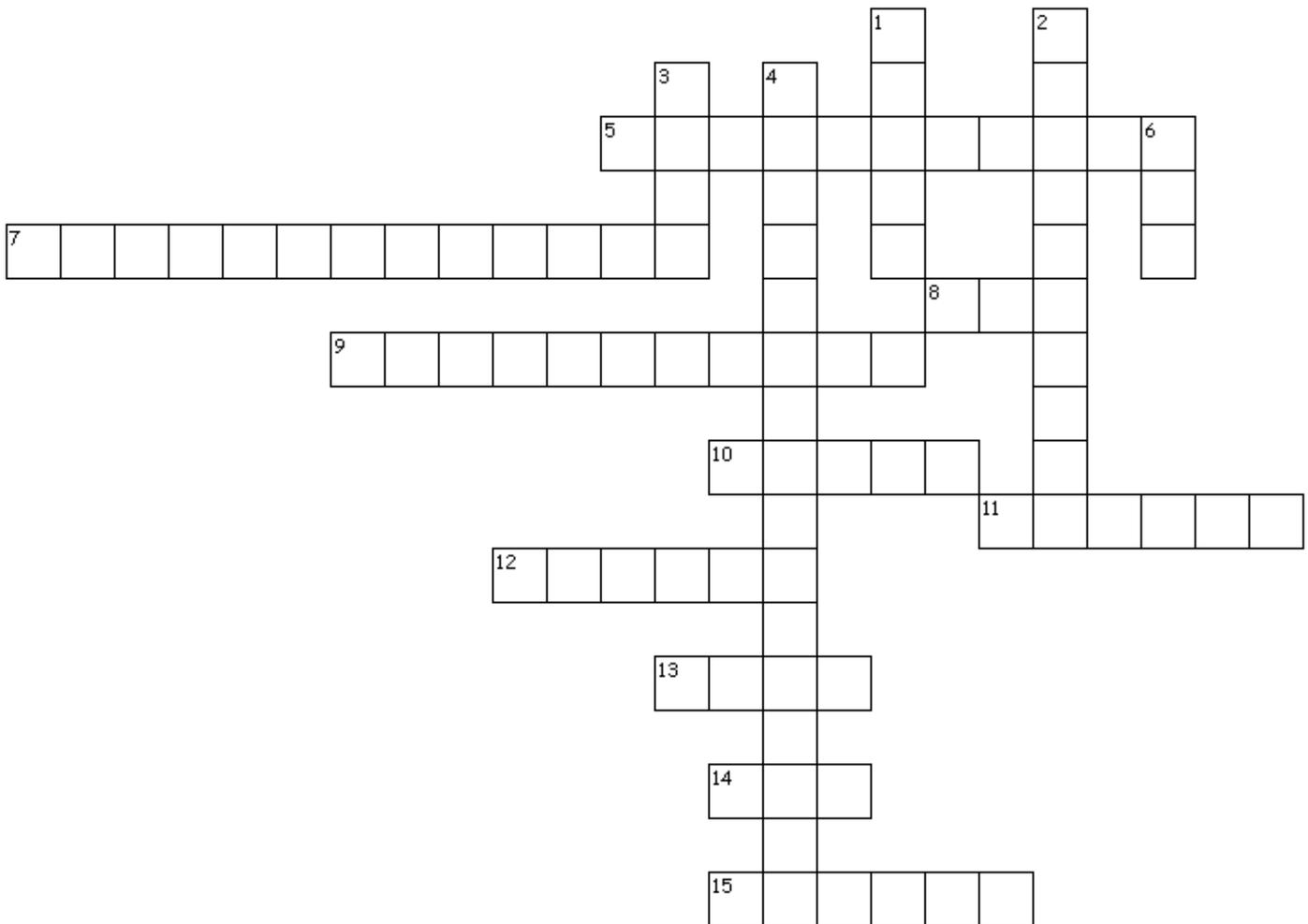
Challenge #4: The Journey of the Egg & Sperm Cross-Word Puzzle



Scan the QR Code to read the story. Use the information within the story to complete the Crossword Puzzle.

Be the first group to correctly complete the puzzle in order to WIN the key to open the prize box!

Good Luck!



The Journey of the Egg & Sperm Clues

Across

5. Spontaneous loss of pregnancy prior to 20 weeks
7. Egg's hideout
8. May take this many hours for sperm to reach the fallopian tube
9. Located on uterine wall where zygote will implant itself
10. Only 10,000 of these make it to the fallopian tube
11. Sperm often get lost here
12. Released when fertilization occurs
13. Sperm are great in number but *INVT* (unscramble) in size
14. Number of sperm typically needed to penetrate the egg for pregnancy to occur
15. Created at fertilization by egg and sperm

Down

1. Full gestation is most often this many weeks
2. 100 cells formed during fertilization
3. Number of months baby will grow and develop in the uterus
4. Occurs when fertilized egg implants in the Fallopian Tube instead of the uterus
6. The sperm's love interest