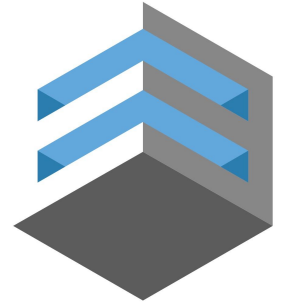


Englist.me



Vocabulary Builder Reference from...

Nassim Assefi and Brian A. Levine: How in vitro fertilization (IVF) works | TED Talk

https://www.ted.com/talks/nassim_assefi_and_brian_a_levine_how_in_vitro_fertilization_ivf_works

Advanced Words Only

IMPORTANT

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Session 1: Word List

vitro

n. (used as "in vitro") a scientific experiment or procedure that takes place outside of a living organism, usually in a test tube or petri dish

synonym : glass, container, vessel

(1) in **vitro** fermentation, (2) in **vitro** diagnostics

The lab technician used in **vitro** fertilization to help the couple conceive.

fertilization

n. the process of joining a sperm and an egg to produce an embryo

synonym : impregnation, pollination, insemination

(1) **fertilization** process, (2) artificial **fertilization**

The **fertilization** of the soil allowed for a bountiful harvest.

medicinal

adj. of or relating to the treatment or cure of disease

synonym : curative, therapeutic, healing

(1) **medicinal** chemistry, (2) traditional **medicinal**

The **medicinal** properties of this herb have been known to help with various ailments.

heterosexual

adj. attracted to individuals of the opposite sex

synonym : straight, conventional

(1) **heterosexual** relationship, (2) **heterosexual** marriage

He identified as **heterosexual** and had never considered being with someone of the same gender.

conceive

v. to have or develop an idea, a plan, etc. in mind; to become pregnant

synonym: imagine, envision, concoct

(1) **conceive** of an idea, (2) **conceive** a child

I can't **conceive** he'd want to harm us.

mimic

v. to imitate someone's speech, movement, or behavior, especially to make others laugh

synonym: mirror, imitate, ape

(1) **mimic** a human voice, (2) **mimic** numerous instruments

He is very popular at school because he can **mimic** all the teachers' accents.

pituitary

n. a small, pea-sized gland located at the base of the brain that influences the growth and sexual development of the body by producing hormones

synonym: hypophyseal, hypothalamic, anterior lobe

(1) **pituitary** hormone, (2) anterior **pituitary**

The **pituitary** gland is responsible for releasing hormones that regulate growth and metabolism.

follicle

n. a small sac or cavity in the body, especially in the skin or scalp, that contains and nourishes a hair or feather; a small gland or sac that produces and releases a bodily secretion

(1) **follicle** cell, (2) damaged **follicle**

The pigments in your hair **follicles** determine the color of your hair.

stimming

n. a behavior often exhibited by individuals on the autism spectrum characterized by repetitive bodily movements or sounds, such as hand flapping or rocking, often used as a form of self-regulation or sensory stimulation

synonym: self-stimulation, repetitive behaviors

(1) autistic **stimming**, (2) **stimming** therapy

Autistic children may engage in **stimming** behaviors, such as rocking or hand flapping, to self-regulate.

ripen

v. to cause something to be fully developed; to become ripe

synonym: mature, grow, age

(1) **ripen** the fruit, (2) **ripen** naturally

His tireless efforts **ripen** into success.

ovary

n. either of the pair of organs in the female reproductive system that produces eggs; (of a plant) the organ that bears the ovules of a flower

(1) **ovary** atrophy, (2) salted **ovary** of walleye pollack

They found **ovary** cancer in an early stage.

uterus

n. a hollow muscular organ in the body of a woman or other female mammal in which a baby or young animal develops before birth

synonym: womb

(1) **uterus** cancer, (2) bleeding from **uterus**

The physician prescribed medication to relieve the contraction of the **uterus**.

lutein

n. a yellow pigment found in many plants, particularly leafy green vegetables like spinach and kale; lutein is an antioxidant and is thought to have benefits for eye health and cognition

synonym: yellow pigment, marigold extract, zeaxanthin

(1) **lutein** supplement, (2) **lutein-rich** food

The chemical composition of **lutein** makes it effective in preventing cataracts.

ovulation

n. the process in a woman's menstrual cycle during which an ovary releases an egg

synonym: egg-releasing, ovary-releasing, ovum-releasing

(1) **ovulation** cycle, (2) inhibit **ovulation**

The woman tracked her **ovulation** using a fertility app on her smartphone.

rupture

n. a break or tear in something, especially a bodily tissue or a physical object

synonym: fracture, break, tear

(1) a **rupture** between friends, (2) the **rupture** of a blood vessel

A fault line **rupture** can cause significant damage and destruction to surrounding areas.

fallopian

n. one of a pair of tubes that connect the ovaries to the uterus in female reproductive systems, through which eggs travel from the ovaries to the uterus

synonym: uterine, oviductal, tubal

(1) ruptured **fallopian** tube, (2) **fallopian** cancer

Tubal ligation is a permanent birth control method that involves blocking or cutting the **fallopian** tubes.

fertilize

v. to cause an egg, female animal, or plant to develop by joining sperm from the male with them; to add a natural or chemical substance to land to make plants grow well

synonym: pollinate, inseminate, enrich

(1) **fertilize** the soil, (2) **fertilize** the female egg

The couple decided to use the non-husband sperm to **fertilize** a wife.

pellucid

adj. transparent, clear, and easy to understand; easily comprehensible or intelligible; allowing light to pass through freely

synonym: transparent, crystal clear, see-through

(1) **pellucid** prose, (2) **pellucid** stream

The water in the lake was so **pellucid** that you could see the fish swimming below.

thwart

v. to prevent something from happening or succeeding

synonym: hinder, block, obstruct

(1) **thwart** enemy plans, (2) **thwart** attempts
He **thwarted** the thief's attempt to steal the painting.

penetrate

v. to pass into or through something, often by overcoming resistance

synonym: pierce, stab, go through

(1) **penetrate** a cell, (2) **penetrate** quickly into the skin
Western ideology slowly **penetrates** through the eastern countries.

zygote

n. the initial stage of development in a fertilized egg, resulting from the fusion of a sperm cell and an egg cell in sexual reproduction

synonym: fertilized egg, embryo, conceptus

(1) **zygote** development, (2) **zygote** stage

A fertilized **zygote** marks the beginning of a new life as it is the first cell of a new organism.

endometrium

n. the inner mucous membrane that lines the uterus (= the organ in which a fetus develops)

(1) **endometrium** inflammation, (2) menstrual **endometrium**

The physician took a sample of the epithelial tissue of the **endometrium** for detailed examination.

placenta

n. a temporary organ that feeds a fetus (= unborn and developing baby) inside its mother's womb

(1) **placenta** blood, (2) fetal **placenta**

The **placenta** produces various hormones that help maintain the pregnancy.

degenerate

v. (of a person, animal, or plant) to become worse in health or physical condition

synonym: deteriorate, decline, decay

(1) **degenerate** into a disagreement, (2) **degenerate** into recession

The once-thriving city has **degenerated** into a crime-ridden slum.

menstrual

adj. of or relating to the time when a woman menstruates (= to discharge the blood from the uterus) each month

synonym : catamenial

(1) a **menstrual** period, (2) **menstrual** blood

The average length of a woman's **menstrual** cycle is 21 to 35 days.

progesterone

n. a hormone mainly produced in the ovaries of females that helps regulate the menstrual cycle and plays a crucial role in pregnancy

synonym : progestin, gestagen, luteal hormone

(1) **progesterone** receptor, (2) synthetic **progesterone**

During pregnancy, **progesterone** levels rise to support the growth of the fetus.

gestation

n. the state of being pregnant; the period during which an embryo or fetus develops, usually about 280 days in humans

synonym : pregnancy, carrying, incubation

(1) extrauterine **gestation**, (2) **gestation** time

The **gestation** period for elephants is 22 months.

anesthesia

n. a state of controlled, temporary loss of bodily sensation or awareness that is induced for medical purposes

(1) **anesthesia** for surgery, (2) local **anesthesia**

He is in general **anesthesia** under the surgeon.

aspiration

n. a strong desire to achieve something; the action or process of drawing breath

synonym : ambition, inhalation, intake

(1) no **aspiration** for fame, (2) **aspiration** into the lungs

He has an **aspiration** to become a doctor.

petri

n. (petri dish) a small, clear, and round dish with a lid used in laboratories, especially for growing bacteria

(1) **petri** dish test, (2) bacteria on **petri** dishes

Glass **petri** dishes are used to culture microorganisms.

incubate

v. to keep warm and protected, especially to hatch eggs; to develop and nurture

synonym: hatch, breed, gestate

(1) **incubate** terrorism in developing countries, (2) **incubate** an idea

The scientists decided to **incubate** the eggs for further study.

catheter

n. a thin, flexible tube that is inserted into a body cavity, duct, or vessel to drain fluid, inject medication, or perform a medical procedure

synonym: tube, drainage tube, pipe

(1) insert **catheter**, (2) urinary **catheter**

After the surgery, the patient was required to wear a **catheter** for several days.

blastocyst

n. an early stage in the development of an embryo, consisting of a hollow ball of cells that implants into the uterine wall during pregnancy

synonym: embryo, blastula

(1) embryonic **blastocyst**, (2) frozen **blastocyst**

The fertilized egg develops into a **blastocyst** before implanting into the uterine wall.

surrogate

adj. acting as a substitute or replacement for someone or something else; having a similar function or purpose

synonym: substitute, replacement, deputy

(1) **surrogate** pregnancy, (2) **surrogate** decision

The **surrogate** mother gave birth to a healthy baby for the couple who couldn't conceive independently.

triplet

n. a group of three things or people, especially three babies born at the same time from the same pregnancy

synonym : trio, threesome, three-piece set

(1) **triplet** siblings, (2) **triplet** acetylene

The **triplet** babies were born premature and needed extra care.

childbearing

n. the act of giving birth to or bearing a child (or children), often in the context of medical or demographic research or public policy

synonym : accouchement, childbirth, maternity

(1) **childbearing** capacity, (2) **childbearing** at a later age

Many women delay **childbearing** until their careers are established.

diminish

v. to reduce or be reduced in size, extent, or importance; to make something smaller, weaker, etc.

synonym : decline, dwindle, lessen

(1) **diminish** a reputation, (2) **diminish** swelling

As people get old, their energies may **diminish**.

inconceivable

adj. hard to imagine or believe

synonym : unimaginable, impossible, unthinkable

(1) **inconceivable** pain, (2) **inconceivable** ideas

It would be **inconceivable** for him to alter his behavior.

outpace

v. to move or proceed at a faster rate than someone or something else; to surpass or exceed someone's or something's performance or ability

synonym : outdistance, outstrip, overtake

(1) **outpace** market share, (2) **outpace** economic growth

Her running speed allowed her to **outpace** her competitors and win the race.

Session 2: Spelling

1. chi_____ing capacity *n.* the act of giving birth to or bearing a child (or children), often in the context of medical or demographic research or public policy
2. lu___n supplement *n.* a yellow pigment found in many plants, particularly leafy green vegetables like spinach and kale; lutein is an antioxidant and is thought to have benefits for eye health and cognition
3. menstrual end_____um *n.* the inner mucous membrane that lines the uterus (= the organ in which a fetus develops)
4. co_____ve of an idea *v.* to have or develop an idea, a plan, etc. in mind; to become pregnant
5. pi_____ry hormone *n.* a small, pea-sized gland located at the base of the brain that influences the growth and sexual development of the body by producing hormones
6. tr_____t acetylene *n.* a group of three things or people, especially three babies born at the same time from the same pregnancy
7. deg_____te into recession *v.* (of a person, animal, or plant) to become worse in health or physical condition
8. end_____um inflammation *n.* the inner mucous membrane that lines the uterus (= the organ in which a fetus develops)

ANSWERS: 1. childbearing, 2. lutein, 3. endometrium, 4. conceive, 5. pituitary, 6. triplet, 7. degenerate, 8. endometrium

9. in____te terrorism in developing countries *v.* to keep warm and protected, especially to hatch eggs; to develop and nurture
10. inhibit ov_____on *n.* the process in a woman's menstrual cycle during which an ovary releases an egg
11. anterior pi_____ry *n.* a small, pea-sized gland located at the base of the brain that influences the growth and sexual development of the body by producing hormones
12. di_____sh swelling *v.* to reduce or be reduced in size, extent, or importance; to make something smaller, weaker, etc.
13. no asp_____on for fame *n.* a strong desire to achieve something; the action or process of drawing breath
14. ou_____e market share *v.* to move or proceed at a faster rate than someone or something else; to surpass or exceed someone's or something's performance or ability
15. su_____te pregnancy *adj.* acting as a substitute or replacement for someone or something else; having a similar function or purpose
16. fe_____ze the female egg *v.* to cause an egg, female animal, or plant to develop by joining sperm from the male with them; to add a natural or chemical substance to land to make plants grow well
17. fetal pl_____ta *n.* a temporary organ that feeds a fetus (= unborn and developing baby) inside its mother's womb

ANSWERS: 9. incubate, 10. ovulation, 11. pituitary, 12. diminish, 13. aspiration, 14. outpace, 15. surrogate, 16. fertilize, 17. placenta

18. ruptured fa_____an tube *n.* one of a pair of tubes that connect the ovaries to the uterus in female reproductive systems, through which eggs travel from the ovaries to the uterus
19. fe_____ze the soil *v.* to cause an egg, female animal, or plant to develop by joining sperm from the male with them; to add a natural or chemical substance to land to make plants grow well
20. inc_____ble ideas *adj.* hard to imagine or believe
21. inc_____ble pain *adj.* hard to imagine or believe
22. a me_____al period *adj.* of or relating to the time when a woman menstruates (= to discharge the blood from the uterus) each month
23. mi__c numerous instruments *v.* to imitate someone's speech, movement, or behavior, especially to make others laugh
24. pe__i dish test *n.* (petri dish) a small, clear, and round dish with a lid used in laboratories, especially for growing bacteria
25. ov__y atrophy *n.* either of the pair of organs in the female reproductive system that produces eggs; (of a plant) the organ that bears the ovules of a flower
26. het_____ual relationship *adj.* attracted to individuals of the opposite sex
27. pe_____te quickly into the skin *v.* to pass into or through something, often by overcoming resistance

ANSWERS: 18. fallopian, 19. fertilize, 20. inconceivable, 21. inconceivable, 22. menstrual, 23. mimic, 24. petri, 25. ovary, 26. heterosexual, 27. penetrate

28. extrauterine ge_____on *n.* the state of being pregnant; the period during which an embryo or fetus develops, usually about 280 days in humans
29. salted ov__y of walleye pollack *n.* either of the pair of organs in the female reproductive system that produces eggs; (of a plant) the organ that bears the ovules of a flower
30. zy___e development *n.* the initial stage of development in a fertilized egg, resulting from the fusion of a sperm cell and an egg cell in sexual reproduction
31. ge_____on time *n.* the state of being pregnant; the period during which an embryo or fetus develops, usually about 280 days in humans
32. artificial fer_____ion *n.* the process of joining a sperm and an egg to produce an embryo
33. ri__n the fruit *v.* to cause something to be fully developed; to become ripe
34. co_____ve a child *v.* to have or develop an idea, a plan, etc. in mind; to become pregnant
35. frozen bla_____st *n.* an early stage in the development of an embryo, consisting of a hollow ball of cells that implants into the uterine wall during pregnancy
36. the ru_____e of a blood vessel *n.* a break or tear in something, especially a bodily tissue or a physical object
37. pe_____id prose *adj.* transparent, clear, and easy to understand; easily comprehensible or intelligible; allowing light to pass through freely

ANSWERS: 28. gestation, 29. ovary, 30. zygote, 31. gestation, 32. fertilization, 33. ripen, 34. conceive, 35. blastocyst, 36. rupture, 37. pellucid

38. su_____te decision *adj.* acting as a substitute or replacement for someone or something else; having a similar function or purpose
39. zy___e stage *n.* the initial stage of development in a fertilized egg, resulting from the fusion of a sperm cell and an egg cell in sexual reproduction
40. mi__c a human voice *v.* to imitate someone's speech, movement, or behavior, especially to make others laugh
41. ou_____e economic growth *v.* to move or proceed at a faster rate than someone or something else; to surpass or exceed someone's or something's performance or ability
42. ut___s cancer *n.* a hollow muscular organ in the body of a woman or other female mammal in which a baby or young animal develops before birth
43. het_____ual marriage *adj.* attracted to individuals of the opposite sex
44. ov_____on cycle *n.* the process in a woman's menstrual cycle during which an ovary releases an egg
45. pe_____id stream *adj.* transparent, clear, and easy to understand; easily comprehensible or intelligible; allowing light to pass through freely
46. th___t enemy plans *v.* to prevent something from happening or succeeding

ANSWERS: 38. surrogate, 39. zygote, 40. mimic, 41. outpace, 42. uterus, 43. heterosexual, 44. ovulation, 45. pellucid, 46. thwart

47. me_____al blood *adj.* of or relating to the time when a woman menstruates (= to discharge the blood from the uterus) each month
48. in vi__o diagnostics *n.* (used as "in vitro") a scientific experiment or procedure that takes place outside of a living organism, usually in a test tube or petri dish
49. pro_____one receptor *n.* a hormone mainly produced in the ovaries of females that helps regulate the menstrual cycle and plays a crucial role in pregnancy
50. asp_____on into the lungs *n.* a strong desire to achieve something; the action or process of drawing breath
51. chi_____ing at a later age *n.* the act of giving birth to or bearing a child (or children), often in the context of medical or demographic research or public policy
52. ane_____ia for surgery *n.* a state of controlled, temporary loss of bodily sensation or awareness that is induced for medical purposes
53. local ane_____ia *n.* a state of controlled, temporary loss of bodily sensation or awareness that is induced for medical purposes
54. me_____al chemistry *adj.* of or relating to the treatment or cure of disease
55. traditional me_____al *adj.* of or relating to the treatment or cure of disease
56. synthetic pro_____one *n.* a hormone mainly produced in the ovaries of females that helps regulate the menstrual cycle and plays a crucial role in pregnancy

ANSWERS: 47. menstrual, 48. vitro, 49. progesterone, 50. aspiration, 51. childbearing, 52. anesthesia, 53. anesthesia, 54. medicinal, 55. medicinal, 56. progesterone

57. tr____t siblings *n.* a group of three things or people, especially three babies born at the same time from the same pregnancy
58. bleeding from ut____s *n.* a hollow muscular organ in the body of a woman or other female mammal in which a baby or young animal develops before birth
59. autistic st____ng *n.* a behavior often exhibited by individuals on the autism spectrum characterized by repetitive bodily movements or sounds, such as hand flapping or rocking, often used as a form of self-regulation or sensory stimulation
60. lu____n-rich food *n.* a yellow pigment found in many plants, particularly leafy green vegetables like spinach and kale; lutein is an antioxidant and is thought to have benefits for eye health and cognition
61. pe____te a cell *v.* to pass into or through something, often by overcoming resistance
62. ri__n naturally *v.* to cause something to be fully developed; to become ripe
63. th____t attempts *v.* to prevent something from happening or succeeding
64. st____ng therapy *n.* a behavior often exhibited by individuals on the autism spectrum characterized by repetitive bodily movements or sounds, such as hand flapping or rocking, often used as a form of self-regulation or sensory stimulation

ANSWERS: 57. triplet, 58. uterus, 59. stimming, 60. lutein, 61. penetrate, 62. ripen, 63. thwart, 64. stimming

65. fa_____an cancer *n.* one of a pair of tubes that connect the ovaries to the uterus in female reproductive systems, through which eggs travel from the ovaries to the uterus
66. fo_____le cell *n.* a small sac or cavity in the body, especially in the skin or scalp, that contains and nourishes a hair or feather; a small gland or sac that produces and releases a bodily secretion
67. damaged fo_____le *n.* a small sac or cavity in the body, especially in the skin or scalp, that contains and nourishes a hair or feather; a small gland or sac that produces and releases a bodily secretion
68. deg_____te into a disagreement *v.* (of a person, animal, or plant) to become worse in health or physical condition
69. di_____sh a reputation *v.* to reduce or be reduced in size, extent, or importance; to make something smaller, weaker, etc.
70. in vi__o fermentation *n.* (used as "in vitro") a scientific experiment or procedure that takes place outside of a living organism, usually in a test tube or petri dish
71. a ru_____e between friends *n.* a break or tear in something, especially a bodily tissue or a physical object
72. in_____te an idea *v.* to keep warm and protected, especially to hatch eggs; to develop and nurture

ANSWERS: 65. fallopian, 66. follicle, 67. follicle, 68. degenerate, 69. diminish, 70. vitro, 71. rupture, 72. incubate

73. embryonic bla_____st *n.* an early stage in the development of an embryo, consisting of a hollow ball of cells that implants into the uterine wall during pregnancy
74. pl_____ta blood *n.* a temporary organ that feeds a fetus (= unborn and developing baby) inside its mother's womb
75. urinary ca_____er *n.* a thin, flexible tube that is inserted into a body cavity, duct, or vessel to drain fluid, inject medication, or perform a medical procedure
76. bacteria on pe__i dishes *n.* (petri dish) a small, clear, and round dish with a lid used in laboratories, especially for growing bacteria
77. fer_____ion process *n.* the process of joining a sperm and an egg to produce an embryo
78. insert ca_____er *n.* a thin, flexible tube that is inserted into a body cavity, duct, or vessel to drain fluid, inject medication, or perform a medical procedure

ANSWERS: 73. blastocyst, 74. placenta, 75. catheter, 76. petri, 77. fertilization, 78. catheter

Session 3: Fill in the Blanks

1. The physician prescribed medication to relieve the contraction of the _____.
n. a hollow muscular organ in the body of a woman or other female mammal in which a baby or young animal develops before birth
2. The fertilized egg develops into a _____ before implanting into the uterine wall.
n. an early stage in the development of an embryo, consisting of a hollow ball of cells that implants into the uterine wall during pregnancy
3. The water in the lake was so _____ that you could see the fish swimming below.
adj. transparent, clear, and easy to understand; easily comprehensible or intelligible; allowing light to pass through freely
4. The _____ babies were born premature and needed extra care.
n. a group of three things or people, especially three babies born at the same time from the same pregnancy
5. The _____ period for elephants is 22 months.
n. the state of being pregnant; the period during which an embryo or fetus develops, usually about 280 days in humans
6. They found _____ cancer in an early stage.
n. either of the pair of organs in the female reproductive system that produces eggs; (of a plant) the organ that bears the ovules of a flower
7. The lab technician used in _____ fertilization to help the couple conceive.
n. (used as "in vitro") a scientific experiment or procedure that takes place outside of a living organism, usually in a test tube or petri dish

ANSWERS: 1. uterus, 2. blastocyst, 3. pellucid, 4. triplet, 5. gestation, 6. ovary, 7. vitro

8. He is very popular at school because he can _____ all the teachers' accents.
- v. to imitate someone's speech, movement, or behavior, especially to make others laugh
9. Western ideology slowly _____ through the eastern countries.
- v. to pass into or through something, often by overcoming resistance
10. I can't _____ he'd want to harm us.
- v. to have or develop an idea, a plan, etc. in mind; to become pregnant
11. Autistic children may engage in _____ behaviors, such as rocking or hand flapping, to self-regulate.
- n. a behavior often exhibited by individuals on the autism spectrum characterized by repetitive bodily movements or sounds, such as hand flapping or rocking, often used as a form of self-regulation or sensory stimulation
12. Many women delay _____ until their careers are established.
- n. the act of giving birth to or bearing a child (or children), often in the context of medical or demographic research or public policy
13. The _____ properties of this herb have been known to help with various ailments.
- adj. of or relating to the treatment or cure of disease
14. The _____ of the soil allowed for a bountiful harvest.
- n. the process of joining a sperm and an egg to produce an embryo
15. The scientists decided to _____ the eggs for further study.
- v. to keep warm and protected, especially to hatch eggs; to develop and nurture

ANSWERS: 8. mimic, 9. penetrates, 10. conceive, 11. stimming, 12. childbearing, 13. medicinal, 14. fertilization, 15. incubate

16. The _____ mother gave birth to a healthy baby for the couple who couldn't conceive independently.
adj. acting as a substitute or replacement for someone or something else; having a similar function or purpose
17. The woman tracked her _____ using a fertility app on her smartphone.
n. the process in a woman's menstrual cycle during which an ovary releases an egg
18. The average length of a woman's _____ cycle is 21 to 35 days.
adj. of or relating to the time when a woman menstruates (= to discharge the blood from the uterus) each month
19. It would be _____ for him to alter his behavior.
adj. hard to imagine or believe
20. He _____ the thief's attempt to steal the painting.
v. to prevent something from happening or succeeding
21. The pigments in your hair _____ determine the color of your hair.
n. a small sac or cavity in the body, especially in the skin or scalp, that contains and nourishes a hair or feather; a small gland or sac that produces and releases a bodily secretion
22. A fault line _____ can cause significant damage and destruction to surrounding areas.
n. a break or tear in something, especially a bodily tissue or a physical object
23. As people get old, their energies may _____.
v. to reduce or be reduced in size, extent, or importance; to make something smaller, weaker, etc.

ANSWERS: 16. surrogate, 17. ovulation, 18. menstrual, 19. inconceivable, 20. thwarted, 21. follicles, 22. rupture, 23. diminish

24. Her running speed allowed her to _____ her competitors and win the race.
- v.* to move or proceed at a faster rate than someone or something else; to surpass or exceed someone's or something's performance or ability
25. A fertilized _____ marks the beginning of a new life as it is the first cell of a new organism.
- n.* the initial stage of development in a fertilized egg, resulting from the fusion of a sperm cell and an egg cell in sexual reproduction
26. He identified as _____ and had never considered being with someone of the same gender.
- adj.* attracted to individuals of the opposite sex
27. After the surgery, the patient was required to wear a _____ for several days.
- n.* a thin, flexible tube that is inserted into a body cavity, duct, or vessel to drain fluid, inject medication, or perform a medical procedure
28. The _____ produces various hormones that help maintain the pregnancy.
- n.* a temporary organ that feeds a fetus (= unborn and developing baby) inside its mother's womb
29. The once-thriving city has _____ into a crime-ridden slum.
- v.* (of a person, animal, or plant) to become worse in health or physical condition
30. The chemical composition of _____ makes it effective in preventing cataracts.
- n.* a yellow pigment found in many plants, particularly leafy green vegetables like spinach and kale; lutein is an antioxidant and is thought to have benefits for eye health and cognition
31. His tireless efforts _____ into success.
- v.* to cause something to be fully developed; to become ripe

ANSWERS: 24. outpace, 25. zygote, 26. heterosexual, 27. catheter, 28. placenta, 29. degenerated, 30. lutein, 31. ripen

32. The _____ gland is responsible for releasing hormones that regulate growth and metabolism.
- n.* a small, pea-sized gland located at the base of the brain that influences the growth and sexual development of the body by producing hormones
33. The physician took a sample of the epithelial tissue of the _____ for detailed examination.
- n.* the inner mucous membrane that lines the uterus (= the organ in which a fetus develops)
34. During pregnancy, _____ levels rise to support the growth of the fetus.
- n.* a hormone mainly produced in the ovaries of females that helps regulate the menstrual cycle and plays a crucial role in pregnancy
35. Tubal ligation is a permanent birth control method that involves blocking or cutting the _____ tubes.
- n.* one of a pair of tubes that connect the ovaries to the uterus in female reproductive systems, through which eggs travel from the ovaries to the uterus
36. The couple decided to use the non-husband sperm to _____ a wife.
- v.* to cause an egg, female animal, or plant to develop by joining sperm from the male with them; to add a natural or chemical substance to land to make plants grow well
37. He is in general _____ under the surgeon.
- n.* a state of controlled, temporary loss of bodily sensation or awareness that is induced for medical purposes
38. He has an _____ to become a doctor.
- n.* a strong desire to achieve something; the action or process of drawing breath

ANSWERS: 32. pituitary, 33. endometrium, 34. progesterone, 35. fallopian, 36. fertilize, 37. anesthesia, 38. aspiration

39. Glass _____ dishes are used to culture microorganisms.

- n.* (petri dish) a small, clear, and round dish with a lid used in laboratories, especially for growing bacteria

ANSWERS: 39. petri