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Kate Slabosky: The three different ways mammals give birth | TED Talk

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ifferent_ways_mammals_give_birth](https://www.ted.com/talks/kate_slabosky_the_three_different_ways_mammals_give_birth)

Advanced Words Only

IMPORTANT

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Session 1: Word List

mammal

n. any animal of which the female gives birth to live young, not eggs, and feeds her young on milk from her own body

(1) a primitive **mammal**, (2) a sort of **mammal**

Marine **mammal** populations are declining worldwide due to ocean pollution.

vertebrate

adj. relating to animals that have a backbone or spinal column, such as mammals, birds, reptiles, amphibians, and fish

synonym: animal, chordate, backboned

(1) the muscle tissue of a **vertebrate**, (2) **vertebrate** biology

The presence of a backbone is a defining characteristic of **vertebrate** animals.

nourishing

adj. providing the necessary nutrients or sustenance to support health and growth

synonym: nutritious, healthy, sustaining

(1) **nourishing** broth, (2) **nourishing** ingredients

My mother always made sure she had a **nourishing** breakfast before school.

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.

giraffe

n. a tall African mammal with a very long neck and legs, typically with distinctive brownish-yellow fur and dark patches; an animal often found in zoos and wildlife preserves

synonym : gazelle, okapi, camelopard

(1) **giraffe** pattern, (2) **giraffe** exhibit

The **giraffe's** long neck makes reaching leaves high up in the trees easy.

attache

n. a person who works at an embassy, usually having a specialized area of responsibility; a shallow and rectangular briefcase

synonym : diplomat, envoy, briefcase

(1) a commercial **attache**, (2) black **attache** case

A prime minister talked with a military **attache** of the country's embassy.

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**.

funnel

n. a tube or pipe that is wide at the top, sloping sides, narrow at the bottom, used for pouring liquids or powders into a small opening; a smokestack on a ship or steam engine

synonym : filter, chimney

(1) separatory **funnel**, (2) a **funnel-shaped** device

We have to use a **funnel** to pour petrol into the tank.

umbilical

n. relating to a flexible cord-like structure that connects a developing fetus to the placenta in the mother's uterus during pregnancy, called umbilical cord; connected or corresponding closely to something essential, such as a source of nourishment or support

synonym : navel, belly button, cord

(1) **umbilical** blood, (2) **umbilical** hernia

The **umbilical** cord is a vital lifeline between a mother and her unborn baby.

womb

n. the organ of a woman or female mammal in which a baby develops before birth

synonym : uterus, matrice

(1) tumor of **womb**, (2) **womb** transplant

The fertilized egg implanted itself in the **womb**.

circulatory

adj. relating to the system that moves blood through the body, which includes the heart, arteries, and veins

synonym : circulative, rotating

(1) a **circulatory** disease, (2) cause **circulatory** failure shock

The **circulatory** system of the animal is also responsible for heat transportation.

marsupial

adj. relating to or characteristic of mammals of the order Marsupialia, which typically carry their newborn offspring in a pouch on their abdomen; referring to animals such as kangaroos, koalas, and opossums

synonym : pouched, kangaroo-like

(1) unique **marsupial** physiology, (2) **marsupial** species

The **marsupial** pouch provides a convenient and secure space for the young ones to grow.

kangaroo

n. a large marsupial native to Australia with powerful hind legs for jumping and carrying young in a pouch on the

mother's belly

synonym: bouncy, marsupial, joey

(1) giant **kangaroo**, (2) red **kangaroo**

The female **kangaroo** carries and nurses her young, or joey, in a pouch on her belly.

suckle

v. to feed or nurse at the mother's breast or a similar source of fluid, usually used for infants or young animals obtaining milk

synonym: nurse, breastfeed, feed

(1) **suckle** a baby, (2) **suckle** from the breast

The newborn calf instinctively knows how to **suckle** for nourishment.

unfavorable

adj. not advantageous or beneficial; opposed to one's interests or desires

synonym: adverse, negative, hostile

(1) **unfavorable** situation, (2) **unfavorable** reviews

The unforeseen weather change resulted in an **unfavorable** outcome for the outdoor event.

misnomer

n. a name or term that is inaccurate or misleading, often because it does not accurately describe the thing it is naming

synonym: misnaming, misapplication, inaccuracy

(1) a **misnomer** for the term, (2) technical **misnomer**

The name "killer whale" is a **misnomer** as they rarely attack humans.

monotreme

n. a primitive mammal that lays eggs instead of giving birth to live young, such as a platypus or echidna

synonym: primitive mammal, egg-laying mammal

(1) **monotreme** milk, (2) egg-laying **monotreme**

The platypus is a unique **monotreme** mammal that lays eggs instead of giving birth to live young.

echidna

n. a solitary, burrowing, egg-laying mammal native to Australia and New Guinea, also known as a spiny anteater, which has a long, slender snout and a specialized tongue for capturing ants and termites

synonym : spiny anteater

(1) spiny **echidna**, (2) short-beaked **echidna**

The **echidna's** spines provide an excellent defense mechanism against predators.

duck-billed

adj. referring to the platypus or certain types of birds with a flat, broad bill or snout resembling that of a duck; describing something that has a bill or beak resembling that of a duck

(1) **duck-billed** dinosaur, (2) **duck-billed** mask

The **duck-billed** platypus is a unique mammal found in Australia.

platypus

n. a semiaquatic, egg-laying mammal native to Australia and Tasmania, having a broad tail, webbed feet, and a bill resembling that of a duck

synonym : duckbill, monotreme, marsupial

(1) duck-billed **platypus**, (2) **platypus** habitat

The **platypus** diet consists mainly of small invertebrates, insects, and crustaceans.

excretion

n. the process of eliminating waste products from the body; the waste products themselves

synonym : elimination, evacuation, secretion

(1) **excretion** system, (2) liquid **excretion**

The body's **excretion** of waste products is essential for maintaining good health.

reptile

n. a cold-blooded animal that has dry, scaly skin and lays eggs on land, such as snakes, lizards, and turtles

synonym : lizard, serpent, snake

(1) **reptile** exhibition, (2) fossil **reptile**

Alligators are a type of **reptile** that live in swamps and rivers.

dinosaur

n. a large extinct reptile, often with an armored back, long neck, tail, and bony plates on the skin

synonym : reptile, beast, monster

(1) hulking **dinosaur**, (2) **dinosaur** fossil

The discovery of a new **dinosaur** species made headlines in the scientific community.

hatch

v. to cause an egg to break to allow a young animal to come out; to produce and expand something that is in an early stage

synonym : incubate, breed, produce

(1) **hatch** a plan, (2) **hatch** a baby chick

The eggs began to **hatch**, and the small chicks emerged.

mammalian

adj. of or relating to mammals, a class of warm-blooded vertebrate animals that typically nurse their young and have hair or fur on their skin; characterized by mammalian qualities, such as nurturing and protective behavior

synonym : animal, mammal-like, warm-blooded

(1) **mammalian** embryo, (2) **mammalian** evolution

Mammalian milk is known to be rich in protein and essential vitamins.

venomous

adj. extremely poisonous or injurious; containing or producing venom; marked by deep ill will

synonym : poisonous, toxic, lethal

(1) the **venomous** jellyfish's sting, (2) have **venomous** eyes

The **venomous** snake bit him, causing him to go into shock.

spur

n. a thing that encourages someone to do something; any sharply pointed projection; (verb) to incite or stimulate someone or something

synonym : encouragement, motivation, stimulus

(1) **spur** of the moment, (2) **spur** a momentum of economic growth

The threat of losing his job was the **spur** he needed to work

harder.

Session 2: Spelling

1. a cir_____ry disease
adj. relating to the system that moves blood through the body, which includes the heart, arteries, and veins
2. di_____ur fossil
n. a large extinct reptile, often with an armored back, long neck, tail, and bony plates on the skin
3. nou_____ng broth
adj. providing the necessary nutrients or sustenance to support health and growth
4. the ve_____us jellyfish's sting
adj. extremely poisonous or injurious; containing or producing venom; marked by deep ill will
5. ma_____an evolution
adj. of or relating to mammals, a class of warm-blooded vertebrate animals that typically nurse their young and have hair or fur on their skin; characterized by mammalian qualities, such as nurturing and protective behavior
6. a sort of ma_____l
n. any animal of which the female gives birth to live young, not eggs, and feeds her young on milk from her own body
7. technical mi_____er
n. a name or term that is inaccurate or misleading, often because it does not accurately describe the thing it is naming
8. 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

ANSWERS: 1. circulatory, 2. dinosaur, 3. nourishing, 4. venomous, 5. mammalian, 6. mammal, 7. misnomer, 8. uterus

9. fetal pl____ta *n.* a temporary organ that feeds a fetus (= unborn and developing baby) inside its mother's womb
10. duc_____ed dinosaur *adj.* referring to the platypus or certain types of birds with a flat, broad bill or snout resembling that of a duck; describing something that has a bill or beak resembling that of a duck
11. mo_____me milk *n.* a primitive mammal that lays eggs instead of giving birth to live young, such as a platypus or echidna
12. ma_____al species *adj.* relating to or characteristic of mammals of the order Marsupialia, which typically carry their newborn offspring in a pouch on their abdomen; referring to animals such as kangaroos, koalas, and opossums
13. w__b transplant *n.* the organ of a woman or female mammal in which a baby develops before birth
14. have ve_____us eyes *adj.* extremely poisonous or injurious; containing or producing venom; marked by deep ill will
15. the muscle tissue of a ver_____te *adj.* relating to animals that have a backbone or spinal column, such as mammals, birds, reptiles, amphibians, and fish
16. separatory fu___l *n.* a tube or pipe that is wide at the top, sloping sides, narrow at the bottom, used for pouring liquids or powders into a small opening; a smokestack on a ship or steam engine

ANSWERS: 9. placenta, 10. duck-billed, 11. monotreme, 12. marsupial, 13. womb, 14. venomous, 15. vertebrate, 16. funnel

17. egg-laying mo_____me *n.* a primitive mammal that lays eggs instead of giving birth to live young, such as a platypus or echidna
18. ha__h a plan *v.* to cause an egg to break to allow a young animal to come out; to produce and expand something that is in an early stage
19. gi_____e pattern *n.* a tall African mammal with a very long neck and legs, typically with distinctive brownish-yellow fur and dark patches; an animal often found in zoos and wildlife preserves
20. ver_____te biology *adj.* relating to animals that have a backbone or spinal column, such as mammals, birds, reptiles, amphibians, and fish
21. 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
22. cause cir_____ry failure shock *adj.* relating to the system that moves blood through the body, which includes the heart, arteries, and veins
23. pl_____ta blood *n.* a temporary organ that feeds a fetus (= unborn and developing baby) inside its mother's womb
24. fossil re_____e *n.* a cold-blooded animal that has dry, scaly skin and lays eggs on land, such as snakes, lizards, and turtles
25. unf_____le reviews *adj.* not advantageous or beneficial; opposed to one's interests or desires

ANSWERS: 17. monotreme, 18. hatch, 19. giraffe, 20. vertebrate, 21. uterus, 22. circulatory, 23. placenta, 24. reptile, 25. unfavorable

26. s__r a momentum of economic growth
n. a thing that encourages someone to do something; any sharply pointed projection; (verb) to incite or stimulate someone or something
27. giant ka_____oo
n. a large marsupial native to Australia with powerful hind legs for jumping and carrying young in a pouch on the mother's belly
28. unf_____le situation
adj. not advantageous or beneficial; opposed to one's interests or desires
29. tumor of w__b
n. the organ of a woman or female mammal in which a baby develops before birth
30. a mi_____er for the term
n. a name or term that is inaccurate or misleading, often because it does not accurately describe the thing it is naming
31. ha__h a baby chick
v. to cause an egg to break to allow a young animal to come out; to produce and expand something that is in an early stage
32. ma_____an embryo
adj. of or relating to mammals, a class of warm-blooded vertebrate animals that typically nurse their young and have hair or fur on their skin; characterized by mammalian qualities, such as nurturing and protective behavior
33. s__r of the moment
n. a thing that encourages someone to do something; any sharply pointed projection; (verb) to incite or stimulate someone or something

ANSWERS: 26. spur, 27. kangaroo, 28. unfavorable, 29. womb, 30. misnomer, 31. hatch, 32. mammalian, 33. spur

34. re____e exhibition *n.* a cold-blooded animal that has dry, scaly skin and lays eggs on land, such as snakes, lizards, and turtles
35. hulking di____ur *n.* a large extinct reptile, often with an armored back, long neck, tail, and bony plates on the skin
36. liquid ex____on *n.* the process of eliminating waste products from the body; the waste products themselves
37. red ka____oo *n.* a large marsupial native to Australia with powerful hind legs for jumping and carrying young in a pouch on the mother's belly
38. black at____e case *n.* a person who works at an embassy, usually having a specialized area of responsibility; a shallow and rectangular briefcase
39. short-beaked ec____a *n.* a solitary, burrowing, egg-laying mammal native to Australia and New Guinea, also known as a spiny anteater, which has a long, slender snout and a specialized tongue for capturing ants and termites
40. duck-billed pl____us *n.* a semiaquatic, egg-laying mammal native to Australia and Tasmania, having a broad tail, webbed feet, and a bill resembling that of a duck
41. unique ma____al physiology *adj.* relating to or characteristic of mammals of the order Marsupialia, which typically carry their newborn offspring in a pouch on their abdomen; referring to animals such as kangaroos, koalas, and opossums

ANSWERS: 34. reptile, 35. dinosaur, 36. excretion, 37. kangaroo, 38. attache, 39. echidna, 40. platypus, 41. marsupial

42. su___e from the breast
v. to feed or nurse at the mother's breast or a similar source of fluid, usually used for infants or young animals obtaining milk
43. nou_____ng ingredients
adj. providing the necessary nutrients or sustenance to support health and growth
44. su___e a baby
v. to feed or nurse at the mother's breast or a similar source of fluid, usually used for infants or young animals obtaining milk
45. um_____al blood
n. relating to a flexible cord-like structure that connects a developing fetus to the placenta in the mother's uterus during pregnancy, called umbilical cord; connected or corresponding closely to something essential, such as a source of nourishment or support
46. a commercial at_____e
n. a person who works at an embassy, usually having a specialized area of responsibility; a shallow and rectangular briefcase
47. a fu___l-shaped device
n. a tube or pipe that is wide at the top, sloping sides, narrow at the bottom, used for pouring liquids or powders into a small opening; a smokestack on a ship or steam engine
48. ex_____on system
n. the process of eliminating waste products from the body; the waste products themselves

ANSWERS: 42. suckle, 43. nourishing, 44. suckle, 45. umbilical, 46. attache, 47. funnel, 48. excretion

49. duc_____ed mask *adj.* referring to the platypus or certain types of birds with a flat, broad bill or snout resembling that of a duck; describing something that has a bill or beak resembling that of a duck
50. a primitive ma____l *n.* any animal of which the female gives birth to live young, not eggs, and feeds her young on milk from her own body
51. spiny ec_____a *n.* a solitary, burrowing, egg-laying mammal native to Australia and New Guinea, also known as a spiny anteater, which has a long, slender snout and a specialized tongue for capturing ants and termites
52. pl_____us habitat *n.* a semiaquatic, egg-laying mammal native to Australia and Tasmania, having a broad tail, webbed feet, and a bill resembling that of a duck
53. gi_____e exhibit *n.* a tall African mammal with a very long neck and legs, typically with distinctive brownish-yellow fur and dark patches; an animal often found in zoos and wildlife preserves
54. um_____al hernia *n.* relating to a flexible cord-like structure that connects a developing fetus to the placenta in the mother's uterus during pregnancy, called umbilical cord; connected or corresponding closely to something essential, such as a source of nourishment or support

ANSWERS: 49. duck-billed, 50. mammal, 51. echidna, 52. platypus, 53. giraffe, 54. umbilical

ANSWERS:

Session 3: Fill in the Blanks

1. The _____ pouch provides a convenient and secure space for the young ones to grow.
adj. relating to or characteristic of mammals of the order Marsupialia, which typically carry their newborn offspring in a pouch on their abdomen; referring to animals such as kangaroos, koalas, and opossums

2. The female _____ carries and nurses her young, or joey, in a pouch on her belly.
n. a large marsupial native to Australia with powerful hind legs for jumping and carrying young in a pouch on the mother's belly

3. The _____ long neck makes reaching leaves high up in the trees easy.
n. a tall African mammal with a very long neck and legs, typically with distinctive brownish-yellow fur and dark patches; an animal often found in zoos and wildlife preserves

4. My mother always made sure she had a _____ breakfast before school.
adj. providing the necessary nutrients or sustenance to support health and growth

5. We have to use a _____ to pour petrol into the tank.
n. a tube or pipe that is wide at the top, sloping sides, narrow at the bottom, used for pouring liquids or powders into a small opening; a smokestack on a ship or steam engine

6. The _____ system of the animal is also responsible for heat transportation.
adj. relating to the system that moves blood through the body, which includes the heart, arteries, and veins

ANSWERS: 1. marsupial, 2. kangaroo, 3. giraffe's, 4. nourishing, 5. funnel, 6. circulatory

7. The unforeseen weather change resulted in an _____ outcome for the outdoor event.
adj. not advantageous or beneficial; opposed to one's interests or desires
8. The _____ diet consists mainly of small invertebrates, insects, and crustaceans.
n. a semiaquatic, egg-laying mammal native to Australia and Tasmania, having a broad tail, webbed feet, and a bill resembling that of a duck
9. The name "killer whale" is a _____ as they rarely attack humans.
n. a name or term that is inaccurate or misleading, often because it does not accurately describe the thing it is naming
10. 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
11. The eggs began to _____ and the small chicks emerged.
v. to cause an egg to break to allow a young animal to come out; to produce and expand something that is in an early stage
12. The _____ cord is a vital lifeline between a mother and her unborn baby.
n. relating to a flexible cord-like structure that connects a developing fetus to the placenta in the mother's uterus during pregnancy, called umbilical cord; connected or corresponding closely to something essential, such as a source of nourishment or support
13. The _____ platypus is a unique mammal found in Australia.
adj. referring to the platypus or certain types of birds with a flat, broad bill or snout resembling that of a duck; describing something that has a bill or beak resembling that of a duck

ANSWERS: 7. unfavorable, 8. platypus, 9. misnomer, 10. uterus, 11. hatch, 12. umbilical, 13. duck-billed

14. The threat of losing his job was the _____ he needed to work harder.
- n.* a thing that encourages someone to do something; any sharply pointed projection; (verb) to incite or stimulate someone or something
15. Alligators are a type of _____ that live in swamps and rivers.
- n.* a cold-blooded animal that has dry, scaly skin and lays eggs on land, such as snakes, lizards, and turtles
16. The discovery of a new _____ species made headlines in the scientific community.
- n.* a large extinct reptile, often with an armored back, long neck, tail, and bony plates on the skin
17. The newborn calf instinctively knows how to _____ for nourishment.
- v.* to feed or nurse at the mother's breast or a similar source of fluid, usually used for infants or young animals obtaining milk
18. The _____ snake bit him, causing him to go into shock.
- adj.* extremely poisonous or injurious; containing or producing venom; marked by deep ill will
19. _____ milk is known to be rich in protein and essential vitamins.
- adj.* of or relating to mammals, a class of warm-blooded vertebrate animals that typically nurse their young and have hair or fur on their skin; characterized by mammalian qualities, such as nurturing and protective behavior
20. The _____ spines provide an excellent defense mechanism against predators.
- n.* a solitary, burrowing, egg-laying mammal native to Australia and New Guinea, also known as a spiny anteater, which has a long, slender snout and a specialized tongue for capturing ants and termites

ANSWERS: 14. spur, 15. reptile, 16. dinosaur, 17. suckle, 18. venomous, 19. Mammalian, 20. echidna's

21. The platypus is a unique _____ mammal that lays eggs instead of giving birth to live young.
- n.* a primitive mammal that lays eggs instead of giving birth to live young, such as a platypus or echidna
22. The fertilized egg implanted itself in the _____.
- n.* the organ of a woman or female mammal in which a baby develops before birth
23. Marine _____ populations are declining worldwide due to ocean pollution.
- n.* any animal of which the female gives birth to live young, not eggs, and feeds her young on milk from her own body
24. 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
25. The body's _____ of waste products is essential for maintaining good health.
- n.* the process of eliminating waste products from the body; the waste products themselves
26. The presence of a backbone is a defining characteristic of _____ animals.
- adj.* relating to animals that have a backbone or spinal column, such as mammals, birds, reptiles, amphibians, and fish
27. A prime minister talked with a military _____ of the country's embassy.
- n.* a person who works at an embassy, usually having a specialized area of responsibility; a shallow and rectangular briefcase

ANSWERS: 21. monotreme, 22. womb, 23. mammal, 24. placenta, 25. excretion, 26. vertebrate, 27. attache