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Susan M. Reverby: Ugly History: The US syphilis experiment | TED Talk

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

Advanced Words Only

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Session 1: Word List

ravage

v. to cause damage to something badly

synonym : devastate, ruin, destroy

(1) **ravage** a country, (2) **ravage** the brain

A large fire **ravaged** the forest.

syphilis

n. a sexually transmitted disease caused by the bacterium *Treponema pallidum*, characterized by multiple stages and a wide range of symptoms

synonym : STD, venereal disease, sexually transmitted infection

(1) oral **syphilis**, (2) late-stage **syphilis**

Untreated **syphilis** can cause serious health problems.

afflict

v. to cause pain, suffering, or distress to someone or something

synonym : trouble, distress, bother

(1) **afflict** with the plague, (2) **afflict** the economy

The disease can **afflict** both humans and animals.

unprotected

adj. not guarded, covered, or shielded; vulnerable; without protection or defense

synonym : uncovered, defenseless, vulnerable

(1) **unprotected** area, (2) **unprotected** Wi-Fi

It's important never to have **unprotected** sex to prevent the

spread of STDs.

childbirth

n. the act or process of giving birth to a baby

synonym: delivery, labor, parturition

(1) natural **childbirth**, (2) assisted **childbirth**

He was present at the **childbirth** of his children.

bismuth

n. a chemical element with the symbol Bi on the periodic table, known for its crystalline structure and distinctive rainbow-like colors on its surface when oxidized, used in some medications and cosmetics

synonym: Bi, bismite, wismutite

(1) **bismuth** poisoning, (2) **bismuth** alloy

Bismuth oxychloride is commonly used in the manufacture of pearlescent pigments for paints and coatings.

unreliable

adj. not able to be trusted or depended on

synonym: inconsistent, erratic, undependable

(1) prove **unreliable**, (2) **unreliable** source of information

By incorrect assumption, statistics can be notoriously **unreliable**.

uncover

v. to remove the cover from something; to discover something previously unseen or hidden

synonym: disclose, reveal, unveil

(1) **uncover** a potential problem, (2) **uncover** the truth

He continued his investigation and soon **uncovered** another crime.

infect

v. to affect a person, an animal, or a plant with a disease-causing organism

synonym: pollute, contaminate, affect

(1) **infect** other animal species, (2) **infect** a computer with a virus

Children often **infect** parents with this head cold.

neurological

adj. of or relating to the science of neurology or the nervous system

synonym : nervous, neural, brain-related

(1) fever with **neurological** signs, (2) **neurological** symptoms

The patient was diagnosed with a **neurological** disorder affecting their motor skills.

determinant

n. a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result

synonym : cause, factor, element

(1) environmental **determinant**, (2) a **determinant** of crop yields

One **determinant** of success is having a positive attitude and a strong work ethic.

presume

v. to suppose or assume something to be true, often without sufficient evidence or proof; to take liberties, behave impolitely, or overstep one's bounds, often due to arrogance or ignorance

synonym : assume, suppose, guess

(1) **presume** innocence, (2) **presume** on his tolerance

I **presume** you've already made plans for the weekend since you didn't respond to my invitation.

noncontagious

adj. not capable of being transmitted from one person or organism to another, especially not by direct or indirect contact

synonym : noninfectious, incommunicable, untransmissible

(1) **noncontagious** disease, (2) **noncontagious** rash

Epilepsy is a **noncontagious** neurological disorder that can cause seizures.

pretense

n. an act or instance of pretending or feigning; a false or insincere show or claim

synonym : act, facade, show

(1) **pretense** of innocence, (2) maintain a **pretense**
He put on a **pretense** of enjoying the party even though he was feeling miserable.

swoop

v. to rapidly or forcefully descend upon something or someone from a great height or distance; to rush or pounce upon

synonym : dart, pounce

(1) **swoop** down the water slide, (2) **swoop** up the escalator
The eagle **swooped** down from the sky to catch its prey.

autopsy

n. a medical examination performed on a dead body to determine the cause of death or identify any underlying medical conditions or injuries; a postmortem examination or necropsy (in animals)

synonym : postmortem examination, necropsy, examination

(1) forensic **autopsy**, (2) perform an **autopsy**
The **autopsy** report revealed that the cause of death was a heart attack.

penicillin

n. an antibiotic drug derived from mold and used to treat bacterial infections

synonym : antibiotic, bacitracin

(1) **penicillin** allergy, (2) **penicillin** sensitivity testing
The doctor prescribed **penicillin** to treat the bacterial infection.

opportune

adj. suitable or happening at a time that is suitable or convenient for a particular purpose

synonym : suitable, timely, practical

(1) **opportune** occasion, (2) an **opportune** remark
The phone rang at the most **opportune** time.

untreated

adj. not given medical care or treatment; not subjected to chemical or physical treatment

synonym : raw, unprocessed, coarse

(1) an **untreated** disease, (2) dispose of **untreated** formalin

solution

Heat stroke is the result of **untreated** heat exhaustion.

withhold

v. to not give or grant something due, expected, or requested

synonym: retain, hold back, keep back

(1) **withhold** my laughter, (2) **withhold** payment

The government decided to **withhold** the release of sensitive information.

enlist

v. to sign up to serve in the military or a particular organization

synonym: join, sign up, appoint

(1) **enlist** in a cause, (2) **enlist** for a soldier

He decided to **enlist** in the military after graduating from high school.

bioethics

n. the study of ethical issues related to life sciences and healthcare, particularly those related to the moral implications of scientific advances in medicine and biology

synonym: medical ethics, bio-morality

(1) **bioethics** committee, (2) **bioethics** research

Using animals in medical research raises complex questions about **bioethics** and animal welfare.

abhorrent

adj. causing extreme disgust or hatred; completely unacceptable or intolerable

synonym: repugnant, detestable, hateful

(1) **abhorrent** act of violence, (2) **abhorrent** remarks

The government's treatment of refugees is **abhorrent** and violates basic human rights.

unjust

adj. not fair or equitable; lacking in justice or impartiality; morally unacceptable or wrong

synonym: unfair, inequitable

(1) **unjust** verdict, (2) **unjust** accusation

The ruling was considered **unjust** by many people in the community.

tracer

n. a substance or device that makes something visible or distinguishable by leaving a visible mark or path behind it; a person or thing that traces, tracks, or follows; (of graphics) a tool or technique used to produce a precise outline of an image

synonym : detector, tracker

(1) radioactive **tracer**, (2) biological **tracer**

The **tracer** gun fired a bright light that helped the hunters find their prey in the dark.

outcry

n. a strong expression of public protest, anger, or dissent

synonym : protest, objection, dissent

(1) a great **outcry**, (2) national **outcry**

The **outcry** against the new policy was heard loud and clear by the government.

permeate

v. to spread throughout; to pass through or penetrate every part of something

synonym : penetrate, diffuse, infiltrate

(1) **permeate** the air, (2) **permeate** the fabric

The aroma of freshly baked bread **permeated** the entire bakery.

Session 2: Spelling

1. unp_____ed area *adj.* not guarded, covered, or shielded; vulnerable; without protection or defense
2. radioactive tr___r *n.* a substance or device that makes something visible or distinguishable by leaving a visible mark or path behind it; a person or thing that traces, tracks, or follows; (of graphics) a tool or technique used to produce a precise outline of an image
3. an op_____ne remark *adj.* suitable or happening at a time that is suitable or convenient for a particular purpose
4. an un_____ed disease *adj.* not given medical care or treatment; not subjected to chemical or physical treatment
5. wi_____ld payment *v.* to not give or grant something due, expected, or requested
6. unr_____le source of information *adj.* not able to be trusted or depended on
7. un___t verdict *adj.* not fair or equitable; lacking in justice or impartiality; morally unacceptable or wrong
8. af_____t with the plague *v.* to cause pain, suffering, or distress to someone or something
9. ab_____nt remarks *adj.* causing extreme disgust or hatred; completely unacceptable or intolerable

ANSWERS: 1. unprotected, 2. tracer, 3. opportune, 4. untreated, 5. withhold, 6. unreliable, 7. unjust, 8. afflict, 9. abhorrent

10. un___t accusation *adj.* not fair or equitable; lacking in justice or impartiality; morally unacceptable or wrong
11. ra___e the brain *v.* to cause damage to something badly
12. en___t for a soldier *v.* to sign up to serve in the military or a particular organization
13. bi_____cs research *n.* the study of ethical issues related to life sciences and healthcare, particularly those related to the moral implications of scientific advances in medicine and biology
14. en___t in a cause *v.* to sign up to serve in the military or a particular organization
15. bi_____h alloy *n.* a chemical element with the symbol Bi on the periodic table, known for its crystalline structure and distinctive rainbow-like colors on its surface when oxidized, used in some medications and cosmetics
16. a great ou___y *n.* a strong expression of public protest, anger, or dissent
17. in___t other animal species *v.* to affect a person, an animal, or a plant with a disease-causing organism
18. bi_____h poisoning *n.* a chemical element with the symbol Bi on the periodic table, known for its crystalline structure and distinctive rainbow-like colors on its surface when oxidized, used in some medications and cosmetics

ANSWERS: 10. unjust, 11. ravage, 12. enlist, 13. bioethics, 14. enlist, 15. bismuth, 16. outcry, 17. infect, 18. bismuth

19. non_____ous disease *adj.* not capable of being transmitted from one person or organism to another, especially not by direct or indirect contact
20. ra___e a country *v.* to cause damage to something badly
21. un_____r a potential problem *v.* to remove the cover from something; to discover something previously unseen or hidden
22. prove unr_____le *adj.* not able to be trusted or depended on
23. ab_____nt act of violence *adj.* causing extreme disgust or hatred; completely unacceptable or intolerable
24. op_____ne occasion *adj.* suitable or happening at a time that is suitable or convenient for a particular purpose
25. a det_____nt of crop yields *n.* a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result
26. pr_____e innocence *v.* to suppose or assume something to be true, often without sufficient evidence or proof; to take liberties, behave impolitely, or overstep one's bounds, often due to arrogance or ignorance
27. non_____ous rash *adj.* not capable of being transmitted from one person or organism to another, especially not by direct or indirect contact
28. pen_____in allergy *n.* an antibiotic drug derived from mold and used to treat bacterial infections

ANSWERS: 19. noncontagious, 20. ravage, 21. uncover, 22. unreliable, 23. abhorrent, 24. opportune, 25. determinant, 26. presume, 27. noncontagious, 28. penicillin

29. natural chi_____th *n.* the act or process of giving birth to a baby
30. national ou____y *n.* a strong expression of public protest, anger, or dissent
31. assisted chi_____th *n.* the act or process of giving birth to a baby
32. sw__p down the water slide *v.* to rapidly or forcefully descend upon something or someone from a great height or distance; to rush or pounce upon
33. unp_____ed Wi-Fi *adj.* not guarded, covered, or shielded; vulnerable; without protection or defense
34. maintain a pr_____se *n.* an act or instance of pretending or feigning; a false or insincere show or claim
35. bi_____cs committee *n.* the study of ethical issues related to life sciences and healthcare, particularly those related to the moral implications of scientific advances in medicine and biology
36. dispose of un_____ed formalin solution *adj.* not given medical care or treatment; not subjected to chemical or physical treatment
37. pe_____te the air *v.* to spread throughout; to pass through or penetrate every part of something
38. in____t a computer with a virus *v.* to affect a person, an animal, or a plant with a disease-causing organism
39. pr_____se of innocence *n.* an act or instance of pretending or feigning; a false or insincere show or claim

ANSWERS: 29. childbirth, 30. outcry, 31. childbirth, 32. swoop, 33. unprotected, 34. pretense, 35. bioethics, 36. untreated, 37. permeate, 38. infect, 39. pretense

40. pen_____in sensitivity testing *n.* an antibiotic drug derived from mold and used to treat bacterial infections
41. late-stage sy_____is *n.* a sexually transmitted disease caused by the bacterium *Treponema pallidum*, characterized by multiple stages and a wide range of symptoms
42. fever with neu_____cal signs *adj.* of or relating to the science of neurology or the nervous system
43. wi_____ld my laughter *v.* to not give or grant something due, expected, or requested
44. af_____t the economy *v.* to cause pain, suffering, or distress to someone or something
45. biological tr____r *n.* a substance or device that makes something visible or distinguishable by leaving a visible mark or path behind it; a person or thing that traces, tracks, or follows; (of graphics) a tool or technique used to produce a precise outline of an image
46. pr_____e on his tolerance *v.* to suppose or assume something to be true, often without sufficient evidence or proof; to take liberties, behave impolitely, or overstep one's bounds, often due to arrogance or ignorance
47. un_____r the truth *v.* to remove the cover from something; to discover something previously unseen or hidden
48. forensic au_____y *n.* a medical examination performed on a dead body to determine the cause of death or identify any underlying medical conditions or injuries; a postmortem examination or necropsy (in animals)

ANSWERS: 40. penicillin, 41. syphilis, 42. neurological, 43. withhold, 44. afflict, 45. tracer, 46. presume, 47. uncover, 48. autopsy

49. environmental det_____nt *n.* a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result
50. pe_____te the fabric *v.* to spread throughout; to pass through or penetrate every part of something
51. sw__p up the escalator *v.* to rapidly or forcefully descend upon something or someone from a great height or distance; to rush or pounce upon
52. oral sy_____is *n.* a sexually transmitted disease caused by the bacterium *Treponema pallidum*, characterized by multiple stages and a wide range of symptoms
53. neu_____cal symptoms *adj.* of or relating to the science of neurology or the nervous system
54. perform an au_____y *n.* a medical examination performed on a dead body to determine the cause of death or identify any underlying medical conditions or injuries; a postmortem examination or necropsy (in animals)

ANSWERS: 49. determinant, 50. permeate, 51. swoop, 52. syphilis, 53. neurological, 54. autopsy

Session 3: Fill in the Blanks

1. He was present at the _____ of his children.
n. the act or process of giving birth to a baby
2. _____ oxychloride is commonly used in the manufacture of pearlescent pigments for paints and coatings.
n. a chemical element with the symbol Bi on the periodic table, known for its crystalline structure and distinctive rainbow-like colors on its surface when oxidized, used in some medications and cosmetics
3. The _____ against the new policy was heard loud and clear by the government.
n. a strong expression of public protest, anger, or dissent
4. The government decided to _____ the release of sensitive information.
v. to not give or grant something due, expected, or requested
5. The patient was diagnosed with a _____ disorder affecting their motor skills.
adj. of or relating to the science of neurology or the nervous system
6. The _____ report revealed that the cause of death was a heart attack.
n. a medical examination performed on a dead body to determine the cause of death or identify any underlying medical conditions or injuries; a postmortem examination or necropsy (in animals)
7. Epilepsy is a _____ neurological disorder that can cause seizures.
adj. not capable of being transmitted from one person or organism to another, especially not by direct or indirect contact

ANSWERS: 1. childbirth, 2. Bismuth, 3. outcry, 4. withhold, 5. neurological, 6. autopsy, 7. noncontagious

8. Using animals in medical research raises complex questions about _____ and animal welfare.
- n.* the study of ethical issues related to life sciences and healthcare, particularly those related to the moral implications of scientific advances in medicine and biology
9. I _____ you've already made plans for the weekend since you didn't respond to my invitation.
- v.* to suppose or assume something to be true, often without sufficient evidence or proof; to take liberties, behave impolitely, or overstep one's bounds, often due to arrogance or ignorance
10. A large fire _____ the forest.
- v.* to cause damage to something badly
11. The doctor prescribed _____ to treat the bacterial infection.
- n.* an antibiotic drug derived from mold and used to treat bacterial infections
12. The disease can _____ both humans and animals.
- v.* to cause pain, suffering, or distress to someone or something
13. He decided to _____ in the military after graduating from high school.
- v.* to sign up to serve in the military or a particular organization
14. By incorrect assumption, statistics can be notoriously _____.
- adj.* not able to be trusted or depended on
15. The government's treatment of refugees is _____ and violates basic human rights.
- adj.* causing extreme disgust or hatred; completely unacceptable or intolerable

ANSWERS: 8. bioethics, 9. presume, 10. ravaged, 11. penicillin, 12. afflict, 13. enlist, 14. unreliable, 15. abhorrent

16. Heat stroke is the result of _____ heat exhaustion.

adj. not given medical care or treatment; not subjected to chemical or physical treatment

17. The _____ gun fired a bright light that helped the hunters find their prey in the dark.

n. a substance or device that makes something visible or distinguishable by leaving a visible mark or path behind it; a person or thing that traces, tracks, or follows; (of graphics) a tool or technique used to produce a precise outline of an image

18. The aroma of freshly baked bread _____ the entire bakery.

v. to spread throughout; to pass through or penetrate every part of something

19. It's important never to have _____ sex to prevent the spread of STDs.

adj. not guarded, covered, or shielded; vulnerable; without protection or defense

20. The phone rang at the most _____ time.

adj. suitable or happening at a time that is suitable or convenient for a particular purpose

21. He continued his investigation and soon _____ another crime.

v. to remove the cover from something; to discover something previously unseen or hidden

22. The eagle _____ down from the sky to catch its prey.

v. to rapidly or forcefully descend upon something or someone from a great height or distance; to rush or pounce upon

23. He put on a _____ of enjoying the party even though he was feeling miserable.

n. an act or instance of pretending or feigning; a false or insincere show or claim

ANSWERS: 16. untreated, 17. tracer, 18. permeated, 19. unprotected, 20. opportune, 21. uncovered, 22. swooped, 23. pretense

24. One _____ of success is having a positive attitude and a strong work ethic.
- n.* a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result
25. Children often _____ parents with this head cold.
- v.* to affect a person, an animal, or a plant with a disease-causing organism
26. The ruling was considered _____ by many people in the community.
- adj.* not fair or equitable; lacking in justice or impartiality; morally unacceptable or wrong
27. Untreated _____ can cause serious health problems.
- n.* a sexually transmitted disease caused by the bacterium *Treponema pallidum*, characterized by multiple stages and a wide range of symptoms

ANSWERS: 24. determinant, 25. infect, 26. unjust, 27. syphilis