

Englist.me



Vocabulary Builder Reference from...

Fiorenzo Omenetto: Silk, the ancient material of the future | TED Talk

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

Advanced Words Only

IMPORTANT

This material is a commentary and does not contain any copyrighted material of the reference source. We strongly recommend accessing/buying the reference source at the same time.

Session 1: Word List

amaze

v. to fill with wonder, surprise, or admiration

synonym: astound, surprise, stagger

(1) **amaze** and entertain visitors, (2) **amaze** everyone

The magician's tricks **amazed** the audience.

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.

reforestation

n. the process of replanting or regenerating forests, typically after they have been cut down or destroyed by natural disasters

synonym: afforestation

(1) **reforestation** project, (2) **reforestation** policy

Reforestation efforts are necessary to combat deforestation and its negative environmental impact.

trait

n. a particular feature of your nature

synonym: attribute, feature, quality

(1) chemical **trait**, (2) personality **traits**

Multiple genes may influence behavioral **traits** concurrently.

biodegrade

v. to decay naturally by microorganisms, such as bacteria and fungi

(1) **biodegrade** by the microorganism, (2) bioplastic designed to **biodegrade**

The company's plastic products are easily **biodegraded** thanks to a unique manufacturing process.

dissolve

v. to be or cause to be absorbed by a liquid to form a part of the solution; to close down or dismiss

synonym: disband, disappear, liquefy

(1) **dissolve** the sugar, (2) officially **dissolved** the marriage

The political party **dissolved** after much internal fighting.

instantaneous

adj. occurring or happening immediately or without delay; taking place in an instant or moment

synonym: immediate, prompt, rapid

(1) **instantaneous** reaction, (2) **instantaneous** message

The new software provides **instantaneous** results, making it much more efficient than the previous version.

edible

adj. fit or safe to be eaten; able to be consumed as food

synonym: esculent, comestible, digestible

(1) non- **edible** ingredients, (2) **edible** vegetables

I made sure to pick only **edible** mushrooms for our dinner.

photonics

n. the science and technology of generating, controlling, and detecting photons or particles of light, particularly about applications in areas such as telecommunications, information processing, and lighting

synonym: optics, photon science, light technology

(1) **photonics** devices, (2) **photonics** research

The advancement of **photonics** technology has revolutionized the field of telecommunications.

reinvent

v. to change something so drastically that it looks to be completely new

synonym : recreate, remake, revive

(1) **reinvent** local dishes, (2) **reinvent** our life

They have tried to **reinvent** their grocery stores.

marvel

n. someone something that causes feelings of wonder or surprise

synonym : wonder, phenomenon, amazement

(1) a **marvel** of beauty, (2) technical **marvel**

The space shuttle is a modern engineering **marvel**.

industrious

adj. hardworking, diligent, and persistent in effort

synonym : diligent, hardworking, assiduous

(1) **industrious** worker, (2) **industrious** student

He was known to be very **industrious** and would often work late into the night.

unwind

v. to relax and release tension, often by engaging in leisure activities or by simply resting; to reverse the winding or twisting of something

synonym : relax, de-stress, unroll

(1) **unwind** after work, (2) **unwind** on vacation

I like to **unwind** with a good book after a long day at work.

cocoon

n. a protective covering spun by some insects and other invertebrates

synonym : chrysalis, pupa, case

(1) **cocoon** silk, (2) a dried **cocoon**

The caterpillar spins a **cocoon** around itself before turning into a butterfly.

weave

v. to make cloth, a carpet, a basket, etc., by repeatedly crossing a single thread through two sets of long threads at a right angle to them

synonym : braid, unite, contrive

(1) **weave** on a loom, (2) **weave** a story

The girl **weaves** a garland for her friend.

glamorous

adj. highly attractive and exciting, and different from ordinary things or people

synonym : alluring, bewitching, enchanting

(1) **glamorous** movie stars, (2) cast **glamorous** eyes

The south coast is less **glamorous** yet has many clean and appealing hotels.

detach

v. to separate or disjoin something from something else; to disengage

synonym : separate, disengage, disconnect

(1) **detach** a ticket from its stub, (2) **detach** you from the matter

She **detached** the trailer from the truck before driving away.

evaporate

v. to turn a liquid into a gas; to become less intense and disappear gradually

synonym : vaporize, disappear, vanish

(1) **evaporate** the water, (2) **evaporate** almost overnight

The sun will **evaporate** the mist.

nanoscale

adj. on a scale that can be measured in nanometres (= one billionth of a meter); on a very small scale

(1) **nanoscale** device, (2) things at the **nanoscale**

This process improves the strength of the metal by controlling the **nanoscale** lattice structure of the metal.

topography

n. the arrangement and physical features of a particular area or region, including its natural and artificial elements and their relative positions and elevations; the study or description of this arrangement and these features

synonym : terrain, landscape, geography

(1) **topography** map, (2) detailed **topography**

The **topography** of the region is rugged, with many hills and valleys.

replicate

v. to make an exact copy of something; to repeat a process or experiment to confirm the results

synonym: duplicate, imitate, reproduce

(1) **replicate** the cell, (2) **replicate** data

The experiment was **replicated** several times to ensure accuracy.

onstage

adv. onto or on a stage in a theater; in front of an audience

(1) appeared **onstage**, (2) walk **onstage**

He performed his magic trick **onstage**, leaving the audience in awe.

prism

n. a three-dimensional object with a triangular base and parallel sides, which refracts (= to bend something) light that passes through it, resulting in the separation and display of the colors of the visible spectrum; a metaphorical term used to describe a situation that reveals or illuminates various aspects or perspectives of a particular phenomenon or topic

synonym: crystal, polyhedron

(1) **prism** spectrometer, (2) a **prism** of viewpoints

The scientist used an optical **prism** to analyze the dispersion of light in the laboratory experiment.

hologram

n. a three-dimensional image produced by the interference of light beams from a laser or other coherent light sources used for artistic, scientific, or commercial applications

synonym: 3D image, virtual image, projection

(1) **hologram** projection, (2) **hologram** technology

The museum had a **hologram** exhibit that was very popular with visitors.

superimpose

v. to place, layer, or overlay one thing on top of another, typically in such a way that both are still visible; to add or combine something additional into an existing structure, design, or system

synonym: overlay, impose, place over

(1) **superimpose** image, (2) **superimpose** text

The graphic designer will **superimpose** the logo over the image in the brochure.

sect

n. a group of people who follow a particular religious or philosophical belief system, especially one that is regarded as outside the norm or mainstream

synonym: group, faction, cult

(1) **sect** beliefs, (2) secret **sect**

The minority **sect** believed in a set of unconventional religious practices.

reflector

n. a surface or object that reflects light, sound, or heat in a specific direction, often used to redirect or focus these elements toward a desired target or area

synonym: mirror

(1) **reflector** coating, (2) vehicle **reflector**

The cyclist wore a **reflector** vest to increase visibility on the road at night.

illuminate

v. to light something or to make something lighter or brighter; to make something free from confusion or ambiguity

synonym: brighten, light, adorn

(1) **illuminate** a dark hall, (2) **illuminate** my understanding

That biologist **illuminated** the mechanism of heredity.

polystyrene

n. a lightweight, thermoplastic polymer material used in the manufacture of a wide range of products, including packaging, insulation, and consumer goods

(1) **polystyrene** foam, (2) **polystyrene** packaging

The construction industry often utilizes **polystyrene** insulation panels to improve building energy efficiency.

dopant

n. a substance or element added in small amounts to a semiconductor material during its manufacturing process to alter its electrical or optical properties; a type of

impurity introduced intentionally to modify the performance or characteristics of the material

synonym : additive, impurity, adulterant

(1) **dopant** atom, (2) silicon **dopant**

The **dopant** concentration in the semiconductor determines its electrical conductivity.

beforehand

adv. ahead of time; in advance

synonym : in advance, preceding, earlier

(1) take a seat **beforehand**, (2) three months **beforehand**

She packed her sunscreen **beforehand** to remember it on the beach trip.

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.

refrigerate

v. to cool or preserve food or other items by using a refrigerator or other cold storage device; to keep something at a low temperature to prevent spoilage or degradation

synonym : chill, cool, freeze

(1) **refrigerate** perishable, (2) **refrigerate** medicine

We need to **refrigerate** the leftovers to keep them from spoiling.

degrade

v. to make something worse, especially in quality; to show or treat someone in a way that makes them seem no value and do not have the respect or reasonable opinion of others

synonym : demean, disgrace, impair

(1) **degrade** his public image, (2) **degrade** environmental quality

You should not **degrade** yourself by allowing them to use you.

impassioned

adj. having or showing strong feelings, enthusiasm, or dedication or making a strong emotional appeal

synonym: enthusiastic, fervent, ardent

(1) give an **impassioned** defense, (2) **impassioned** plea

He spoke with **impassioned** conviction about the need for change.

Session 2: Spelling

- | | | |
|---------------------------------------|----|--|
| 1. ev_____te almost overnight | v. | to turn a liquid into a gas; to become less intense and disappear gradually |
| 2. un___d after work | v. | to relax and release tension, often by engaging in leisure activities or by simply resting; to reverse the winding or twisting of something |
| 3. a dried co___n | n. | a protective covering spun by some insects and other invertebrates |
| 4. re_____te the cell | v. | to make an exact copy of something; to repeat a process or experiment to confirm the results |
| 5. pol_____ne foam | n. | a lightweight, thermoplastic polymer material used in the manufacture of a wide range of products, including packaging, insulation, and consumer goods |
| 6. pen_____in allergy | n. | an antibiotic drug derived from mold and used to treat bacterial infections |
| 7. ev_____te the water | v. | to turn a liquid into a gas; to become less intense and disappear gradually |
| 8. officially di_____ved the marriage | v. | to be or cause to be absorbed by a liquid to form a part of the solution; to close down or dismiss |
| 9. do___t atom | n. | a substance or element added in small amounts to a semiconductor material during its manufacturing process to alter its electrical or optical properties; a type of impurity introduced intentionally to modify the performance or characteristics of the material |

ANSWERS: 1. evaporate, 2. unwind, 3. cocoon, 4. replicate, 5. polystyrene, 6. penicillin, 7. evaporate, 8. dissolve, 9. dopant

10. ph_____cs research *n.* the science and technology of generating, controlling, and detecting photons or particles of light, particularly about applications in areas such as telecommunications, information processing, and lighting
11. we__e on a loom *v.* to make cloth, a carpet, a basket, etc., by repeatedly crossing a single thread through two sets of long threads at a right angle to them
12. take a seat bef_____nd *adv.* ahead of time; in advance
13. technical ma____l *n.* someone something that causes feelings of wonder or surprise
14. un____d on vacation *v.* to relax and release tension, often by engaging in leisure activities or by simply resting; to reverse the winding or twisting of something
15. am__e everyone *v.* to fill with wonder, surprise, or admiration
16. di_____ve the sugar *v.* to be or cause to be absorbed by a liquid to form a part of the solution; to close down or dismiss
17. de_____e his public image *v.* to make something worse, especially in quality; to show or treat someone in a way that makes them seem no value and do not have the respect or reasonable opinion of others
18. re_____te data *v.* to make an exact copy of something; to repeat a process or experiment to confirm the results

ANSWERS: 10. photonics, 11. weave, 12. beforehand, 13. marvel, 14. unwind, 15. amaze, 16. dissolve, 17. degrade, 18. replicate

19. ins_____ous reaction *adj.* occurring or happening immediately or without delay; taking place in an instant or moment
20. bioplastic designed to bio_____de *v.* to decay naturally by microorganisms, such as bacteria and fungi
21. pen_____in sensitivity testing *n.* an antibiotic drug derived from mold and used to treat bacterial infections
22. ind_____us student *adj.* hardworking, diligent, and persistent in effort
23. ill_____te my understanding *v.* to light something or to make something lighter or brighter; to make something free from confusion or ambiguity
24. na_____le device *adj.* on a scale that can be measured in nanometres (= one billionth of a meter); on a very small scale
25. ed___e vegetables *adj.* fit or safe to be eaten; able to be consumed as food
26. pr__m spectrometer *n.* a three-dimensional object with a triangular base and parallel sides, which refracts (= to bend something) light that passes through it, resulting in the separation and display of the colors of the visible spectrum; a metaphorical term used to describe a situation that reveals or illuminates various aspects or perspectives of a particular phenomenon or topic
27. ind_____us worker *adj.* hardworking, diligent, and persistent in effort

ANSWERS: 19. instantaneous, 20. biodegrade, 21. penicillin, 22. industrious, 23. illuminate, 24. nanoscale, 25. edible, 26. prism, 27. industrious

28. personality tr__ts *n.* a particular feature of your nature
29. chemical tr__t *n.* a particular feature of your nature
30. co___n silk *n.* a protective covering spun by some insects and other invertebrates
31. ref_____ion project *n.* the process of replanting or regenerating forests, typically after they have been cut down or destroyed by natural disasters
32. traditional me_____al *adj.* of or relating to the treatment or cure of disease
33. ho_____am projection *n.* a three-dimensional image produced by the interference of light beams from a laser or other coherent light sources used for artistic, scientific, or commercial applications
34. appeared on_____e *adv.* onto or on a stage in a theater; in front of an audience
35. walk on_____e *adv.* onto or on a stage in a theater; in front of an audience
36. gl_____us movie stars *adj.* highly attractive and exciting, and different from ordinary things or people
37. am__e and entertain visitors *v.* to fill with wonder, surprise, or admiration
38. a pr__m of viewpoints *n.* a three-dimensional object with a triangular base and parallel sides, which refracts (= to bend something) light that passes through it, resulting in the separation and display of the colors of the visible spectrum; a metaphorical term used to describe a situation that reveals or illuminates various aspects or perspectives of a particular phenomenon or topic

ANSWERS: 28. trait, 29. trait, 30. cocoon, 31. reforestation, 32. medicinal, 33. hologram, 34. onstage, 35. onstage, 36. glamorous, 37. amaze, 38. prism

39. give an imp_____ed defense *adj.* having or showing strong feelings, enthusiasm, or dedication or making a strong emotional appeal
40. sup_____se text *v.* to place, layer, or overlay one thing on top of another, typically in such a way that both are still visible; to add or combine something additional into an existing structure, design, or system
41. things at the na_____le *adj.* on a scale that can be measured in nanometres (= one billionth of a meter); on a very small scale
42. ins_____ous message *adj.* occurring or happening immediately or without delay; taking place in an instant or moment
43. s__t beliefs *n.* a group of people who follow a particular religious or philosophical belief system, especially one that is regarded as outside the norm or mainstream
44. me_____al chemistry *adj.* of or relating to the treatment or cure of disease
45. re_____nt local dishes *v.* to change something so drastically that it looks to be completely new
46. ph_____cs devices *n.* the science and technology of generating, controlling, and detecting photons or particles of light, particularly about applications in areas such as telecommunications, information processing, and lighting
47. ref_____te medicine *v.* to cool or preserve food or other items by using a refrigerator or other cold storage device; to keep something at a low temperature to prevent spoilage or degradation

ANSWERS: 39. impassioned, 40. superimpose, 41. nanoscale, 42. instantaneous, 43. sect, 44. medicinal, 45. reinvent, 46. photonics, 47. refrigerate

48. pol_____ne packaging *n.* a lightweight, thermoplastic polymer material used in the manufacture of a wide range of products, including packaging, insulation, and consumer goods
49. bio_____de by the microorganism *v.* to decay naturally by microorganisms, such as bacteria and fungi
50. ref_____ion policy *n.* the process of replanting or regenerating forests, typically after they have been cut down or destroyed by natural disasters
51. silicon do____t *n.* a substance or element added in small amounts to a semiconductor material during its manufacturing process to alter its electrical or optical properties; a type of impurity introduced intentionally to modify the performance or characteristics of the material
52. top_____hy map *n.* the arrangement and physical features of a particular area or region, including its natural and artificial elements and their relative positions and elevations; the study or description of this arrangement and these features
53. re_____or coating *n.* a surface or object that reflects light, sound, or heat in a specific direction, often used to redirect or focus these elements toward a desired target or area
54. ref_____te perishable *v.* to cool or preserve food or other items by using a refrigerator or other cold storage device; to keep something at a low temperature to prevent spoilage or degradation

ANSWERS: 48. polystyrene, 49. biodegrade, 50. reforestation, 51. dopant, 52. topography, 53. reflector, 54. refrigerate

55. secret s__t *n.* a group of people who follow a particular religious or philosophical belief system, especially one that is regarded as outside the norm or mainstream
56. de___h a ticket from its stub *v.* to separate or disjoin something from something else; to disengage
57. non-ed___e ingredients *adj.* fit or safe to be eaten; able to be consumed as food
58. de___h you from the matter *v.* to separate or disjoin something from something else; to disengage
59. we__e a story *v.* to make cloth, a carpet, a basket, etc., by repeatedly crossing a single thread through two sets of long threads at a right angle to them
60. three months bef_____nd *adv.* ahead of time; in advance
61. ho_____am technology *n.* a three-dimensional image produced by the interference of light beams from a laser or other coherent light sources used for artistic, scientific, or commercial applications
62. a ma___l of beauty *n.* someone something that causes feelings of wonder or surprise
63. cast gl_____us eyes *adj.* highly attractive and exciting, and different from ordinary things or people
64. ill_____te a dark hall *v.* to light something or to make something lighter or brighter; to make something free from confusion or ambiguity
65. imp_____ed plea *adj.* having or showing strong feelings, enthusiasm, or dedication or making a strong emotional appeal

ANSWERS: 55. sect, 56. detach, 57. edible, 58. detach, 59. weave, 60. beforehand, 61. hologram, 62. marvel, 63. glamorous, 64. illuminate, 65. impassioned

66. de____e environmental quality *v.* to make something worse, especially in quality; to show or treat someone in a way that makes them seem no value and do not have the respect or reasonable opinion of others
67. detailed top_____hy *n.* the arrangement and physical features of a particular area or region, including its natural and artificial elements and their relative positions and elevations; the study or description of this arrangement and these features
68. vehicle re_____or *n.* a surface or object that reflects light, sound, or heat in a specific direction, often used to redirect or focus these elements toward a desired target or area
69. re_____nt our life *v.* to change something so drastically that it looks to be completely new
70. sup_____se image *v.* to place, layer, or overlay one thing on top of another, typically in such a way that both are still visible; to add or combine something additional into an existing structure, design, or system

ANSWERS: 66. degrade, 67. topography, 68. reflector, 69. reinvent, 70. superimpose

Session 3: Fill in the Blanks

1. _____ efforts are necessary to combat deforestation and its negative environmental impact.
 - n.* the process of replanting or regenerating forests, typically after they have been cut down or destroyed by natural disasters

2. The girl _____ a garland for her friend.
 - v.* to make cloth, a carpet, a basket, etc., by repeatedly crossing a single thread through two sets of long threads at a right angle to them

3. The advancement of _____ technology has revolutionized the field of telecommunications.
 - n.* the science and technology of generating, controlling, and detecting photons or particles of light, particularly about applications in areas such as telecommunications, information processing, and lighting

4. The minority _____ believed in a set of unconventional religious practices.
 - n.* a group of people who follow a particular religious or philosophical belief system, especially one that is regarded as outside the norm or mainstream

5. The museum had a _____ exhibit that was very popular with visitors.
 - n.* a three-dimensional image produced by the interference of light beams from a laser or other coherent light sources used for artistic, scientific, or commercial applications

6. The company's plastic products are easily _____ thanks to a unique manufacturing process.
 - v.* to decay naturally by microorganisms, such as bacteria and fungi

ANSWERS: 1. Reforestation, 2. weaves, 3. photonics, 4. sect, 5. hologram, 6. biodegraded

7. That biologist _____ the mechanism of heredity.
- v.* to light something or to make something lighter or brighter; to make something free from confusion or ambiguity
8. The _____ of the region is rugged, with many hills and valleys.
- n.* the arrangement and physical features of a particular area or region, including its natural and artificial elements and their relative positions and elevations; the study or description of this arrangement and these features
9. The south coast is less _____ yet has many clean and appealing hotels.
- adj.* highly attractive and exciting, and different from ordinary things or people
10. The _____ properties of this herb have been known to help with various ailments.
- adj.* of or relating to the treatment or cure of disease
11. She _____ the trailer from the truck before driving away.
- v.* to separate or disjoin something from something else; to disengage
12. The cyclist wore a _____ vest to increase visibility on the road at night.
- n.* a surface or object that reflects light, sound, or heat in a specific direction, often used to redirect or focus these elements toward a desired target or area
13. The construction industry often utilizes _____ insulation panels to improve building energy efficiency.
- n.* a lightweight, thermoplastic polymer material used in the manufacture of a wide range of products, including packaging, insulation, and consumer goods
14. They have tried to _____ their grocery stores.
- v.* to change something so drastically that it looks to be completely new

ANSWERS: 7. illuminated, 8. topography, 9. glamorous, 10. medicinal, 11. detached, 12. reflector, 13. polystyrene, 14. reinvent

15. The scientist used an optical _____ to analyze the dispersion of light in the laboratory experiment.
- n.* a three-dimensional object with a triangular base and parallel sides, which refracts (= to bend something) light that passes through it, resulting in the separation and display of the colors of the visible spectrum; a metaphorical term used to describe a situation that reveals or illuminates various aspects or perspectives of a particular phenomenon or topic
16. He was known to be very _____ and would often work late into the night.
- adj.* hardworking, diligent, and persistent in effort
17. I made sure to pick only _____ mushrooms for our dinner.
- adj.* fit or safe to be eaten; able to be consumed as food
18. The graphic designer will _____ the logo over the image in the brochure.
- v.* to place, layer, or overlay one thing on top of another, typically in such a way that both are still visible; to add or combine something additional into an existing structure, design, or system
19. He performed his magic trick _____ leaving the audience in awe.
- adv.* onto or on a stage in a theater; in front of an audience
20. The caterpillar spins a _____ around itself before turning into a butterfly.
- n.* a protective covering spun by some insects and other invertebrates
21. The magician's tricks _____ the audience.
- v.* to fill with wonder, surprise, or admiration
22. The _____ concentration in the semiconductor determines its electrical conductivity.
- n.* a substance or element added in small amounts to a semiconductor material during its manufacturing process to alter its electrical or optical properties; a type of impurity introduced intentionally to modify the performance or characteristics of the material

ANSWERS: 15. prism, 16. industrious, 17. edible, 18. superimpose, 19. onstage, 20.

cocoon, 21. amazed, 22. dopant

23. The space shuttle is a modern engineering _____.
- n.* someone something that causes feelings of wonder or surprise
24. This process improves the strength of the metal by controlling the _____ lattice structure of the metal.
- adj.* on a scale that can be measured in nanometres (= one billionth of a meter); on a very small scale
25. The experiment was _____ several times to ensure accuracy.
- v.* to make an exact copy of something; to repeat a process or experiment to confirm the results
26. You should not _____ yourself by allowing them to use you.
- v.* to make something worse, especially in quality; to show or treat someone in a way that makes them seem no value and do not have the respect or reasonable opinion of others
27. I like to _____ with a good book after a long day at work.
- v.* to relax and release tension, often by engaging in leisure activities or by simply resting; to reverse the winding or twisting of something
28. The doctor prescribed _____ to treat the bacterial infection.
- n.* an antibiotic drug derived from mold and used to treat bacterial infections
29. Multiple genes may influence behavioral _____ concurrently.
- n.* a particular feature of your nature
30. The political party _____ after much internal fighting.
- v.* to be or cause to be absorbed by a liquid to form a part of the solution; to close down or dismiss

ANSWERS: 23. marvel, 24. nanoscale, 25. replicated, 26. degrade, 27. unwind, 28. penicillin, 29. traits, 30. dissolved

31. We need to _____ the leftovers to keep them from spoiling.

- v.* to cool or preserve food or other items by using a refrigerator or other cold storage device; to keep something at a low temperature to prevent spoilage or degradation

32. The new software provides _____ results, making it much more efficient than the previous version.

- adj.* occurring or happening immediately or without delay; taking place in an instant or moment

33. He spoke with _____ conviction about the need for change.

- adj.* having or showing strong feelings, enthusiasm, or dedication or making a strong emotional appeal

34. The sun will _____ the mist.

- v.* to turn a liquid into a gas; to become less intense and disappear gradually

35. She packed her sunscreen _____ to remember it on the beach trip.

- adv.* ahead of time; in advance

ANSWERS: 31. refrigerate, 32. instantaneous, 33. impassioned, 34. evaporate, 35. beforehand