

UNIT 10 VOCABULARY

This report provides a summary of key vocabulary for this unit. For each word, you will find the definition, related words, its word family, and examples of how the word, or forms of the word, are used in a sentence.

accelerate

- move faster
- cause to move faster

Related words: accelerate, advance, dispatch, expedite, forward, further, hasten, quicken, speed

Word family: accelerated, accelerates, accelerating

- Examples:**
- It takes less force to accelerate a smaller mass.
 - When skydivers reach terminal speed, they no longer accelerate as they fall.
 - In motorcycle drag racing you need a machine with power to accelerate to a high speed.

achievement

- the action of accomplishing something

Related words: accomplishment, achievement

Word family: achievements, achieved, underachievement, achieves, achiever, achieve, underachiever, achieving, achievement

- Examples:**
- Rosenshine and Furst (1973) found that being task-oriented or businesslike correlated positively with student achievement.
 - Achievement tests measure specific skills and knowledge that you have been taught in school.
 - Achievement tests concentrate on specific skills and understandings which you have learned in the courses taken to complete your academic program.

challenge

- take exception to
- issue a challenge to
- a demanding or stimulating situation
- a call to engage in a contest or fight
- questioning a statement and demanding an explanation
- ask for identification
- raise a formal objection in a court of law
- a formal objection to the selection of a particular person as a juror
- a demand by a sentry for a password or identification

Related words: challenge, dispute, gainsay

Word family: challenging, challenged, challengers, challenge, challenges, challenger, unchallenged

- Examples:**
- Hunger must have driven him to challenge the jaguar.
 - The Byzantine navy continued to face the challenge of Muslim seapower.
 - The greatest challenge in the health field is to provide for each patient the health care which will promote that patient's well-being.

collectively

- done by or characteristic of individuals acting together
- members of a cooperative enterprise
- forming a whole or aggregate
- set up on the principle of collectivism or ownership and production by the workers involved usually under the supervision of a government

Related words: collectively, conjointly, jointly

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Word family:	collecting, collectible, collectors, collection, collectively, recollection, collects, collector, uncollected, recollections, collective, recollect, collect, collections, collected
Examples:	<ul style="list-style-type: none"> • In order to bargain collectively with the employer, workers formed labor unions. • Light is measured in wavelengths that collectively are known as the spectrum. • The council collectively has far more power than the mayor.

complexity

	<ul style="list-style-type: none"> • the quality of being intricate and compounded
Related words:	complexity
Word family:	complexities, complexes, complexity, complex
Examples:	<ul style="list-style-type: none"> • Timbre is essentially the complexity of a sound. • Organic compounds are not only unique in their complexity, they are also unusually numerous. • The power of bureaucracies grows with advances in technology and increases in the size and complexity of society.

existence

	<ul style="list-style-type: none"> • the state or fact of existing • everything that exists anywhere
Related words:	being, cosmos, creation, existence, universe, world
Word family:	exists, existed, existentialism, preexisting, coexistence, nonexistent, existing, existentialist, exist, existence, nonexistence, coexist, existences, existent, existential
Examples:	<ul style="list-style-type: none"> • The discovery of these particles has made scientists aware of the existence of even more particles. • Our civilization could not have come into existence without creating some basic changes in the natural environment. • The Greek influence originates primarily from Plato, who first attempted to prove the existence of the soul, or reason.

generate

	<ul style="list-style-type: none"> • bring into existence • give or supply • produce (energy) • make children
Related words:	beget, create, engender, father, generate, get, give, mother, render, return, sire, yield
Word family:	regenerator, generating, generates, generator, generation, regeneration, regenerative, regenerate, generated, generators, generative, generate, generations
Examples:	<ul style="list-style-type: none"> • Batteries are devices that use chemical action to generate electricity. • A change in wardrobe will generate new energy in your figure drawing. • At one location in the Alktamonte Pass, 100 wind turbines generate electricity day in and day out.



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generation

- all the people living at the same time or of approximately the same age
- group of genetically related organisms constituting a single step in the line of descent
- the normal time between successive generations
- a stage of technological development or innovation
- a coming into being
- the production of heat or electricity
- the act of producing offspring or multiplying by such production

Related words: contemporaries, generation, genesis, multiplication, propagation

Word family: regenerator, generating, generates, generator, generation, regeneration, regenerative, regenerate, generated, generators, generative, generate, generations

- Examples:**
- Each of these traits passed from generation to generation.
 - Generation after generation, each son got an equal share of inheritance.
 - Spontaneous generation means the creation of life without any of the usual means of reproduction.

hydrogen

- a nonmetallic univalent element that is normally a colorless and odorless highly flammable diatomic gas; the simplest and lightest and most abundant element in the Universe

Related words: hydrogen

Word family: hydrogenated, hydrogen, hydrogenation

- Examples:**
- Hydrogen gas is lighter than air.
 - The sun is constantly losing hydrogen and gaining helium through nuclear fusion.
 - The high flammability of hydrogen requires that it be handled with care.

network

- an interconnected system of things or people
- (broadcasting) a communication system consisting of a group of broadcasting stations that all transmit the same programs
- an open fabric of string or rope or wire woven together at regular intervals
- a system of intersecting lines or channels
- (electronics) a system of interconnected electronic components or circuits
- communicate with and within a group

Related words: mesh, meshing, net, network, web

Word family: networking, networks

- Examples:**
- The network is called a grid.
 - The neurons in your brain and other body parts form a network.
 - Water one corner of a bamboo grove, and the root network will share the water throughout the whole grove.

population

- the people who inhabit a territory or state
- a group of organisms of the same species inhabiting a given area
- (statistics) the entire aggregation of items from which samples can be drawn
- the number of inhabitants (either the total number or the number of a particular race or class) in a given place (country or city etc.)
- the act of populating (causing to live in a place)

Related words: population, universe

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Word family:	unpopulated, populate, populated, populations, populist, overpopulate, populace, populous, overpopulation, population
Examples:	<ul style="list-style-type: none"> • A field of daisies is a plant population. • When snakes eat frogs, the frog population shrinks. • The place where a population lives is called a habitat.

solution

	<ul style="list-style-type: none"> • a homogeneous mixture of two or more substances; frequently (but not necessarily) a liquid solution • a statement that solves a problem or explains how to solve the problem • a method for solving a problem • the set of values that give a true statement when substituted into an equation • the successful action of solving a problem
Related words:	answer, resolution, result, root, solution, solvent
Word family:	resolved, unsolved, dissolute, resolute, dissolution, solubility, soluble, unresolved, solutions, solute, resolutions, dissolving, resolve, dissolves, solves, solver, solvable, solving, solution, solved, dissolved, solve, resolution, dissolve, resolutely
Examples:	<ul style="list-style-type: none"> • Clearness is one property of a liquid solution. • Sterling silver is a solution of copper in silver. • In a solution, two or more substances are uniformly mixed.

technology

	<ul style="list-style-type: none"> • the practical application of science to commerce or industry • the discipline dealing with the art or science of applying scientific knowledge to practical problems
Related words:	engineering, technology
Word family:	technologically, technologies, technology
Examples:	<ul style="list-style-type: none"> • Science and technology differ but are also related. • Technology has enabled farmers to greatly increase the amount of food grown. • Concerns over fuel supplies and over pollution are important technology topics in themselves.

Universe

	<ul style="list-style-type: none"> • everything that exists anywhere • (statistics) the entire aggregation of items from which samples can be drawn • everything stated or assumed in a given discussion
Related words:	cosmos, creation, existence, population, universe, world
Word family:	universalist, universality, universes, universe, universal, universally
Examples:	<ul style="list-style-type: none"> • Our solar system is part of a vast Universe. • All objects in the Universe are made of matter. • Some scientists have questioned whether the Universe had a beginning.

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TextGenome

The goal for TextGenome is to help kids love reading by using books, articles and passages that match their individual interests, vocabulary and world knowledge. Once kids love to read they read more and become proficient readers and thus great learners. We implement a research-based systematic approach to help kids learn the words they need to know as well as the system of language — word families, concept networks — in which words are used. To learn more about TextGenome, visit www.textgenome.org.

