

# Vocabulary List for “ The Gene: Life as Information ”



RIPPLE ENGLISH

1	digest	消化する	英英	break down (food) in the alimentary canal into substances that can be absorbed by the body
			例文	<i>Wherever you go, you will find people who walk, breathe and digest food the same way.</i>
2	similarity	類似点 類似性	英英	the state or fact of being similar
			例文	<i>Where do these diversity and similarity come from?</i>
3	cell	細胞 小さな部屋	英英	the smallest structural and functional unit of an organism
			例文	<i>Human body is a collection of 30 to 40 trillion cells.</i>
4	nucleus	細胞核 原子核	英英	the central and most important part of an object
			例文	<i>Each of these cells contains a nucleus.</i>
5	genome	ゲノム	英英	the complete set of genes or genetic material present in a cell or organism
			例文	<i>Inside each nucleus is your genome, your DNA that carries your genetic information.</i>
6	encode	暗号化する	英英	convert into a coded form
			例文	<i>DNA is an encoded instruction, digital information on how to build proteins.</i>
7	specify	指定する 詳細に述べる	英英	identify clearly and definitely / state a fact or requirement clearly and precisely
			例文	<i>Genome specifies the features we all share.</i>
8	inherit	受け継ぐ	英英	derive (a quality, characteristic, or predisposition) genetically from one's parents or ancestors
			例文	<i>Genome specifies the inherited characteristics that make us different to one another.</i>
9	susceptibility	影響を受けやすいこと	英英	the state or fact of being likely or liable to be influenced or harmed by a particular thing
			例文	<i>Genome tells you your susceptibility to specific diseases.</i>
10	binary	2進法	英英	the system to represent things with 2 types of letters, usually 0 and 1
			例文	<i>Your devices read this binary code of information and turns it into a picture.</i>
11	for short	省略すると	英英	as an abbreviation or nickname
			例文	<i>Adenine, Thymine, Guanine and Cytosine, or A, T, G, C for short.</i>
12	quaternary	4進法	英英	the system to represent things with 4 types of letters
			例文	<i>The cell reads this quaternary code to build a protein.</i>
13	realize	実現する 気づく	英英	cause (something desired or anticipated) to happen
			例文	<i>The protein realizes the form or function of the organism.</i>
14	encyclopedia	百科事典	英英	a book giving information on many subjects and typically arranged alphabetically.
			例文	<i>It is 60 times the size of an ordinary encyclopedia.</i>
15	divide	分割する	英英	separate or be separated into parts
			例文	<i>These 3.2 billion letters are divided and packaged into 23 pairs of chromosomes.</i>
16	helix	螺旋 ねじれ	英英	an extended spiral chain
			例文	<i>All the DNA is packaged into 23 pairs of chromosomes in a double helix form.</i>
17	wheat	小麦	英英	a cereal plant, the grain of which is ground to make flour for bread, pasta, pastry, etc.
			例文	<i>Human genome contains about 22,000 genes in total and it is 25,000 fewer than rice or wheat.</i>
18	precise	正確な 精細な	英英	marked by exactness and accuracy of expression or detail
			例文	<i>Another critical function of DNA is its ability to copy itself very precisely.</i>
19	cellular	細胞の	英英	relating to or consisting of living cells
			例文	<i>Most of the genetic code for the various cellular components are the same in all organisms.</i>
20	component	構成要素	英英	a part or element of a larger whole
			例文	<i>Most of the genetic code for the various cellular components are the same in all organisms.</i>

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21	preserve	保存する 保全する	英英	maintain (something) in its original or existing state
			例文	<i>The core information in those genes has been preserved for probably three billion years.</i>
22	replicate	複製する	英英	make an exact copy of
			例文	<i>DNA can replicate and preserve itself with very few errors.</i>
23	sequence	配列・順序 配列を決める	英英	a particular order in which related events, movements, or things follow each other
			例文	<i>Each chain is a long sequence of four bases—A, T, G and C.</i>
24	reflection	反射 影響	英英	an image seen in a mirror or shiny surface
			例文	<i>One chain is a reflection of the other.</i>
25	separate	分け隔てられた	英英	forming or viewed as a unit apart or by itself
			例文	<i>If you break the double helix apart into two separate chains, ...</i>
26	recreate	再作成する	英英	create again
			例文	<i>Each chain can act as a template to recreate a perfect copy of its original partner chain.</i>
27	cell division	細胞分裂	英英	the division of a cell into two daughter cells with the same genetic material.
			例文	<i>This is the way that cell division takes place without almost no copy errors.</i>
28	take place	起きる 発生する	英英	occur
			例文	<i>This is the way that cell division takes place without almost no copy errors.</i>
29	blueprint	青写真 設計図	英英	a design plan or other technical drawing / something that acts as a plan, model, or template
			例文	<i>DNA is an encoded blueprint of the cell and the whole human body.</i>
30	decipher	解読する	英英	succeed in understanding, interpreting, or identifying (something)
			例文	<i>Each cell deciphers these encrypted messages to build proteins.</i>
31	analogy	類似点 共通点	英英	a comparison between two things, typically for the purpose of explanation or clarification
			例文	<i>Let's go back to the analogy of DNA and digital devices.</i>
32	digit	桁	英英	any of the numerals from 0 to 9, especially when forming part of a number
			例文	<i>One letter on computers is encoded into 8-digit binary code</i>
33	represent	～を表す	英英	constitute / be a specimen or example of
			例文	<i>For example, capital H is represented as 01001000 on computers.</i>
34	plummet	急落する	英英	fall or drop straight down at high speed:
			例文	<i>Since then, though, the price has plummeted.</i>
35	medicine	医療 医学	英英	the science or practice of the diagnosis, treatment, and prevention of disease
			例文	<i>It was a major step forward for biology and for medicine.</i>
36	tissue	[生物] 組織	英英	any of the distinct types of material of which animals or plants are made
			例文	<i>The genome contains the memory to build every cell in every tissue.</i>
37	distinguish	識別する 区別する	英英	recognize or treat (someone or something) as different
			例文	<i>what distinguishes a brain cell from a liver cell, a skin cell from a bone marrow cell?</i>
38	transcribe	転写する 書き写す	英英	put something into a different form
			例文	<i>DNA code is transcribed into a messenger RNA code.</i>
39	kidney	腎臓	英英	each of a pair of organs excreting urine
			例文	<i>The cells in your kidney, skin and brain all contain the same total set of 22,000 genes.</i>
40	determine	決定する	英英	firmly decide
			例文	<i>Once a cell is determined to be a kidney cell, it will remain part of the kidney.</i>