

# Vocabulary List for “ Genome Editing: The In-Vitro Creation ”



RIPPLE ENGLISH

1	the book of Genesis	創世記	英英	the first book of the Bible, which includes the stories of the creation of the world
			例文	<i>In the Bible, the book of Genesis states that God created plants, animals, and humans.</i>
2	divine	神の 神聖な	英英	of, from, or like God or a god
			例文	<i>Traditionally, the ability to design and produce creatures has been considered to be divine power.</i>
3	mythological	神話の	英英	relating to, based on, or appearing in myths or mythology
			例文	<i>There are multiple versions of mythological fictions around the world about the origin of creatures.</i>
4	organism	生物	英英	an individual animal, plant, or single-celled life form
			例文	<i>It has been 3.8 billion years since the first organisms appeared on earth.</i>
5	principle	原理 法則	英英	a general scientific theorem or law that has numerous special applications across a wide field
			例文	<i>All of life has evolved following the principle of natural selection.</i>
6	exponential	指数関数的 加速度的な	英英	(of an increase) becoming more and more rapid
			例文	<i>There has been an exponential progress of gene editing technologies in recent years.</i>
7	modify	修正する 変更する	英英	make partial or minor changes to (something), typically so as to improve it or to make it less extreme
			例文	<i>With the discovery CRISPR/Cas9, humanity is becoming able to modify the blueprint of life.</i>
8	blueprint	青写真 設計図	英英	a design plan or other technical drawing
			例文	<i>With the discovery CRISPR/Cas9, humanity is becoming able to modify the blueprint of life.</i>
9	eliminate	削除する	英英	completely remove or get rid of
			例文	<i>This technology has the potential to eliminate genetic ailments.</i>
10	ailment	病気	英英	an illness, typically a minor one
			例文	<i>This technology has the potential to eliminate genetic ailments.</i>
11	sequence	順序 配列	英英	a particular order in which related events, movements, or things follow each other
			例文	<i>Geneticists had been longing for a technology to precisely target and edit specific genomic sequences.</i>
12	paper	論文	英英	an essay or thesis, especially one published in an academic journal
			例文	<i>In 2012, a paper on the defense system of microbes called “CRISPR/Cas9” was published.</i>
13	microbe	微生物 細菌	英英	a microorganism, especially a bacterium causing disease or fermentation
			例文	<i>In 2012, a paper on the defense system of microbes called “CRISPR/Cas9” was published.</i>
14	spark	刺激する 引き起こす	英英	ignite, provide the stimulus for (a dramatic event or process)
			例文	<i>It immediately sparked the imagination of biologists around the world.</i>
15	deploy	配備する 駆動する	英英	bring into effective action; utilize
			例文	<i>Cas9 is deployed to cut off the DNA at the spot specified by the seeker.</i>
16	snip	チョキチョキ切る	英英	cut (something) with scissors or shears, typically with small quick strokes
			例文	<i>The seeker finds the target spot and brings the cutter to the spot, and the cutter snips the targeted DNA.</i>
17	accuracy	正確さ	英英	the quality or state of being correct or precise
			例文	<i>We can edit genes with pinpoint accuracy by introducing two manipulations in this mechanism.</i>
18	manipulation	操作、処置 改ざん	英英	the action of manipulating something in a skillful manner
			例文	<i>We can edit genes with pinpoint accuracy by introducing two manipulations in this mechanism.</i>
19	mutate	変異させる 変化させる	英英	change or cause to change in form or nature
			例文	<i>In principle, single letter of human DNA can be mutated to another letter.</i>
20	toxic	有毒の	英英	poisonous
			例文	<i>Crops like high-yield rice, non-toxic potatoes, and less perishable tomatoes have already been created.</i>

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21	perishable	腐りやすい	英英	(especially of food) likely to decay or go bad quickly
			例文	Crops like high-yield rice, non-toxic potatoes, and less perishable tomatoes have already been created.
22	hemophilia	血友病	英英	a medical condition in which the ability of the blood to clot is severely reduced
			例文	<i>Genetic disorders like hemophilia and muscular dystrophy are caused by mutations in specific genes.</i>
23	muscular dystrophy	筋委縮症	英英	a hereditary condition marked by progressive weakening and wasting of the muscles
			例文	<i>Genetic disorders like hemophilia and muscular dystrophy are caused by mutations in specific genes.</i>
24	clot	凝固させる	英英	form or cause to form clots
			例文	<i>Hemophilia, for instance, is a condition where liver cells can't produce blood clotting factors.</i>
25	liver	肝臓	英英	a large lobed glandular organ in the abdomen of vertebrates, involved in many metabolic processes
			例文	<i>We can cut off the malfunctioning genes in liver cells and insert the correct DNA sequence.</i>
26	purge	追放する 除去する	英英	rid (someone or something) of an unwanted quality, condition, or feeling
			例文	<i>We will gain the ability to purge thousands of diseases from our lives.</i>
27	numerous	多数の	英英	great in number; many
			例文	<i>Genome editing offers numerous potential benefits.</i>
28	surpass	優る 上回る	英英	exceed; be greater than
			例文	<i>However, the same tools can then be used to surpass the standard.</i>
29	plastic surgery	整形外科 整形手術	英英	the process of reconstructing or repairing parts of the body by the transfer of tissue
			例文	<i>Plastic surgery was first developed to treat soldiers whose faces got injured in battles.</i>
30	autism	自閉症	英英	a developmental disorder of variable severity that is characterized by difficulty in social interaction and communication
			例文	<i>We may start using the technology to fix less fatal genes, such as ones responsible for autism and obesity.</i>
31	obesity	肥満	英英	the condition of being grossly fat or overweight
			例文	<i>We may start using the technology to fix less fatal genes, such as ones responsible for autism and obesity.</i>
32	immune	免疫の	英英	resistant to a particular infection or toxin owing to the presence of specific antibodies or sensitized white blood cells
			例文	<i>Wouldn't you want to give your child a little more push by enhancing their memory or immune system?</i>
33	caste	カースト制度	英英	the system of dividing the society into hereditary classes of Hindu society
			例文	<i>The caste system has divided people into four groups based on the family they were born into.</i>
34	intrinsically	本質的に 本来的に	英英	in an essential or natural way
			例文	<i>They believe that individuals in higher caste groups were intrinsically superior.</i>
35	disparity	差異 不均衡	英英	a great difference
			例文	<i>Historically, social and economic disparities have not arisen from genetic differences.</i>
36	amplify	増幅する	英英	cause to become more marked or intense
			例文	<i>Cultural and environmental factors have been justified and amplified by fictions.</i>
37	unprecedented	未曾有の 空前の	英英	never done or known before
			例文	<i>These upgraded superhumans will enjoy unprecedented health, abilities, and creativity.</i>
38	halt	歯止めをかける	英英	bring or come to an abrupt stop
			例文	<i>But we may not be able to halt its progress.</i>
39	resistant	耐性のある	英英	offering resistance to something or someone
			例文	<i>He used the CRISPR/Cas9 technology to modify the DNA of twin girls, making them resistant to HIV infection.</i>
40	outperform	しのぐ、性能で上回る	英英	perform better than
			例文	<i>Some countries may use genome editing to produce geniuses that far outperform other citizens.</i>