

experiment**1. [ɪk'spɛrɪmənt] n****1) опыт, эксперимент**

as an experiment - в порядке опыта; в качестве эксперимента
 an experiment in chemistry [biology] - химический [биологический] опыт
 experiments on animals - опыты на животных
 to make /to carry out/ an experiment - проводить опыт

2) экспериментирование, постановка опытов

the result of some centuries of experiment - результат экспериментирования в течение нескольких столетий
 to prove smth. by experiment - доказать что-л. с помощью эксперимента

2. [ɪk'spɛrɪmənt] v**1) производить опыты, экспериментировать**

to experiment on guinea-pigs - проводить опыты на морских свинках
 to experiment with teaching methods - экспериментировать в области методов обучения
 several medicines, even narcotics, were experimented with - некоторые лекарства и даже наркотики подверглись экспериментальному изучению

2) пробовать (что-л., особ. для развличения); баловаться (чем-л.)**experiment**

Oxford Advanced Learners Dictionary 8th Ed.

ex·peri·ment [experiment experiments experimented experimenting] **noun**,verb *BrE* [ɪk'spɛrɪmənt] *NAmE* [ɪk'spɛrɪmənt]**noun** countable, uncountable

- a scientific test that is done in order to study what happens and to gain new knowledge
 - to **do/perform/conduct an experiment**
 - proved **by experiment**
 - laboratory experiments
 - Many people do not like the idea of experiments on animals.
 - The results of the experiment were inconclusive.
 - Facts can be established by observation and experiment.
- a new activity, idea or method that you try out to see what happens or what effect it has
 - I've never cooked this before so it's an experiment.
 - The system was installed four years ago as an experiment.
 - ~ **in sth** the country's brief experiment in democracy

Word Origin:

Middle English: from Old French, or from Latin *experimentum*, from *experiri* 'try'. Compare with ↑*experience* and ↑*expert*.

Thesaurus:**experiment** noun C, U

• an experiment to discover the effects of a low calorie diet

test • • **testing** • • **trial** • • **pilot study** •(a/an) experiment/test/testing/trial **on sth**(a/an) experiment/test/testing/trial/pilot study **to do sth****carry out/conduct** (a/an) experiment/test/testing/trial/pilot studyCollocations:**Scientific research***Theory***formulate/advance** a theory/hypothesis**build/construct/create/develop** a simple/theoretical/mathematical model**develop/establish/provide/use** a theoretical/conceptual framework**advance/argue/develop** the thesis that...**explore** an idea/a concept/a hypothesis**make** a prediction/an inference**base** a prediction/your calculations on sth**investigate/evaluate /accept/challenge /reject** a theory/hypothesis/model*Experiment***design** an experiment/a questionnaire/a study/a test**do** research/an experiment/an analysis**make** observations/measurements/calculations**carry out/conduct/perform** an experiment/a test/a longitudinal study/observations/clinical trials**run** an experiment/a simulation/clinical trials**repeat** an experiment/a test/an analysis**replicate** a study/the results/the findings**observe/study/examine /investigate/assess** a pattern/a process/a behaviour (*especially US*) a behavior**fund/support** the research/project/study**seek/provide/get/secure** funding for research*Results***collect/gather/extract** data/information

yield data/evidence/similar findings/the same results
analyse/examine the data/soil samples/a specimen
consider/compare/interpret the results/findings
fit the data/model
confirm/support/verify a prediction/a hypothesis/the results/the findings
prove a conjecture/hypothesis/theorem
draw/make/reach the same conclusions
read/review the records/literature
describe/report an experiment/a study
present/publish/summarize the results/findings
present/publish/read/review/cite a paper in a scientific journal

Example Bank:

- Brazil's unique experiment with alcohol-powered cars
- Further experiments will be carried out to verify this result.
- His efforts involved thought experiments and analogies, rather than detailed experimentation.
- If the conditions are not right, the experiment will not work.
- In these experiments, chilling is necessary.
- Pavlov's famous experiment with the dog and the dinner bell
- The animals seemed healthy during the experiment.
- The appropriate concentration of the drug is best determined by experiment.
- The school decided to try an experiment in single-sex teaching.
- The team carried out experiments on cancer tissue.
- a classic experiment reported in 1964
- a few hippies protesting against animal experiments
- an experiment aimed at cutting road deaths resulting from excessive speeding
- an experiment with zinc chips and hydrochloric acid
- the USSR's failed experiment in social planning
- the country's bold experiment with economic reform
- the country's brief experiment in multi-party democracy
- I've never cooked this before so it's a bit of an experiment.
- NASA carried out experiments to ascertain the effects of weightlessness.
- They were conducting experiments with zinc chips and hydrochloric acid.
- This pattern emerged clearly in the experiment.

Derived Word †**experimenter**

verb

1. intransitive ~ (on sb/sth) | ~ (with sth) to do a scientific experiment or experiments

- Some people feel that experimenting on animals is wrong.

2. intransitive ~ (on sb/sth) | ~ (with sth) to try or test new ideas, methods, etc. to find out what effect they have

- I experimented until I got the recipe just right.
- He wanted to experiment more with different textures in his paintings.

Verb forms:

verb forms	
present simple	
I / you / we / they	experiment
	BrE /ɪkˈspɪrɪmənt/
	NAme /ɪkˈspɪrɪmənt/
he / she / it	experiments
	BrE /ɪkˈspɪrɪmənts/
	NAme /ɪkˈspɪrɪmənts/
past simple, past participle	experimented
	BrE /ɪkˈspɪrɪməntɪd/
	NAme /ɪkˈspɪrɪməntɪd/
-ing form	experimenting
	BrE /ɪkˈspɪrɪməntɪŋ/
	NAme /ɪkˈspɪrɪməntɪŋ/

Word Origin:

Middle English: from Old French, or from Latin **experimentum**, from **experiri 'try'**. Compare with †**experience** and †**expert**.

Thesaurus:

experiment **verb** |

- He believes that experimenting on animals is wrong.

test • • try • • try sth out • • pilot • • put sth to the test •

experiment/test/try/try out sth **on sb/sth**

Example Bank:

- The students freely experimented with paints.
- They experimented successfully on the plants to discover disease-resistant varieties.
- We have experimented with various different designs of kite.
- I experimented until I got the recipe just right.

- She had experimented with drugs when she was at college.
- Some people feel that experimenting on animals causes unnecessary suffering.
- The equipment encourages the children to experiment in different ways.

experiment

Longman DOCE 5th Ed. (En-En)

I. **ex** **per** **i** **ment**¹ **S3 W2** /ɪk'sperəmənt, ɪk'sperɪmənt/ *BrE* ^ˈ *AmE* ^ˈ *noun* [countable]

[Word Family: **noun**: ↑experiment, ↑experimentation; **verb**: ↑experiment; **adverb**: ↑experimentally; **adjective**: ↑experimental]

[Date: 1300-1400; Language: Old French; Origin: Latin experimentum, from experiri; ⇒ ↑experience¹]

1. a scientific test done to find out how something reacts under certain conditions, or to find out if a particular idea is true

experiment with/in/on

- ˈ experiments with alcohol-fuelled cars
- ˈ experiments on sleep deprivation

by experiment

- ˈ Many small birds guide themselves by the stars, as has been verified by experiment.

2. a process in which you test a new idea or method to see if it is useful or effective

experiment with/in/on

- ˈ an experiment in state socialism
- • •

COLLOCATIONS (for Meaning 1)

■ verbs

- **do/carry out an experiment** They carried out a series of experiments to test the theory. | He did some experiments with bats.
- **perform/conduct an experiment** *formal* (=do an experiment) The laboratory began conducting experiments on rats.
- **an experiment shows/proves/demonstrates something** His experiment showed that lightning was a kind of electricity. | The experiment proved that fabrics treated with the chemical are much less likely to catch fire.

■ ADJECTIVES/NOUN + experiment

- **a scientific experiment** Astronauts performed scientific experiments during the flight.
- **animal experiments** (=experiments using animals) I think most animal experiments are cruel and unnecessary.
- **a laboratory experiment** (=one that takes place in a laboratory) They did a series of laboratory experiments on human sleep patterns in the 1960s.
- **a field experiment** (=one that takes place in the real world, not in a laboratory) In field experiments, we used patients who did not know that it was a test situation.
- **a controlled experiment** (=one that is done using correct scientific methods) The theory has not yet been tested by a properly controlled experiment.
- **a practical experiment** (=one that relates to real situations or events, not scientific theories) The research team compiled a set of practical experiments in Modern Astronomy.

■ phrases

- **an experiment to test/measure/find out something** We did an experiment to test the acidity of the soil.

■ COMMON ERRORS

- ▶ Do not say 'make an experiment'. Say **carry out an experiment** or **do an experiment**.
- • •

COLLOCATIONS (for Meaning 2)

■ adjectives

- **a bold experiment** (=one that tries to achieve a lot and takes risks) The country's bold experiment with economic reform has not paid off yet.
- **a unique experiment** (=one that has not been done before) Congestion charging is a unique experiment that other UK cities are watching with interest.
- **a democratic/socialist/communist experiment** (=one in which a country tries a new political system) He went to Havana to judge for himself the success or failure of the socialist experiment.
- **a social experiment** (=one in which people try a new way of living and organizing society) The community started out as a social experiment.
- • •

THESAURUS

- **research** *noun* [uncountable] careful detailed work that is done in order to find out more about a subject, especially as a part of a scientific or academic project: Billions of dollars have been spent on research into the causes and treatment of cancer. | The University has for a long time been a leading centre for research in this field.
- **work** *noun* [uncountable] the studies that have been done on a particular subject: Faraday is famous for his work on electricity. | A lot of work has been done on hydrogen-powered cars. | Their work had an enormous influence on the study of genetics.
- **study** *noun* [countable] a piece of work in which someone examines a particular subject in order to find out more about it, and writes about what they have found: The study showed that 25 percent of adults do not eat breakfast at all, compared with 14 percent in 1961. | Recent studies suggest that our sense of smell is closely linked with the part of the brain that deals with memory.
- **experiment** *noun* [countable] a scientific test in order to find out what happens when you do something: They carried out a series of experiments (=they did a series of experiments) in order to try to prove their theory. | Experiments have shown that there is an increased risk of some forms of cancer.

II. **ex** **per** **i** **ment**² /ɪk'sperəmənt, ɪk'sperɪmənt/ *BrE* ^ˈ *AmE* ^ˈ *verb* [intransitive]

[Word Family: **noun**: ↑experiment, ↑experimentation; **verb**: ↑experiment; **adverb**: ↑experimentally; **adjective**: ↑experimental]

1. to try using various ideas, methods etc to find out how good or effective they are

experiment with/on/in

" He experimented with lighter-than-air flight.

" The teacher provided some different materials and left the children to experiment.

2. to do a scientific test to find out if a particular idea is true or to obtain more information

experiment with/on

" I would defend the right of scientists to experiment on animals.

3. to try doing something to find out what it feels like, for example having sex or using illegal drugs

experiment with

" She admitted she had experimented with cocaine.

—**experimenter** *noun* [countable]

experiment

Freakuency Pack

12500 **1695**^{MCW}

15000 **1213**^{COCA}

RANGE: **2k** EXPERIMENT ³⁷⁰⁰⁷

experiment ¹²⁷²⁵

experimental ⁹⁴⁰⁸

experimentally ⁶²⁶

experimentation ¹⁸⁹⁵

experimented ⁹⁷⁷

experimenting ¹⁸⁴⁰

experiments ⁸⁴³⁵

experimenter ⁶⁷³

experimenters ⁴²⁸

COCA 500k Unlemmatized

5851 **3735**¹⁰⁸⁸⁰ *nn1*

1397 **16144**¹⁵²⁰ *vvi*

267 **42732**²⁹⁸ *vv0*

11 **235227**¹² *nnu*

11 **245516**¹¹ *np1*

4 **427600**⁴ *jj*