

- 1) a suggested explanation for a group of facts or phenomena, either accepted as a basis for further verification (*working hypothesis*) or accepted as likely to be true /in theory/.
- 2) an assumption used in an argument without its being endorsed; a supposition.
- 3) an unproved theory; a conjecture.
- Etymology: from Greek, from hupotithenai to propose, suppose, literally: put under.

• A hypothesis is a proposition made as a basis for reasoning, without any assumption of its truth.

• A hypothesis is an unproved theory; a conjecture [kənˈdʒekʧə].

• A hypothesis is an assumption used in an argument without its being endorsed; a supposition.

• A hypothesis is a suggested explanation for a group of facts or phenomena, either accepted as a basis for further verification (working hypothesis) or accepted as likely to be true /i.e. a theory/.

• A hypothesis is an idea which is suggested as a possible explanation for a particular situation or condition, but which has not yet been proved to be correct.

• A hypothesis is a supposition or proposed explanation made on the basis of limited evidence as a <u>starting</u> point for further investigation.

#### WHAT IS NULL HYPOTHESIS?

• The null hypothesis is assumed to be true unless the test suggests otherwise, in which case it is rejected in favour of the alternative [5:1't3:n5tiv] hypothesis.

#### WHAT IS NULL HYPOTHESIS?

• The null hypothesis is the residual [rɪˈzɪdjuəl] hypothesis if the alternative [ɔːlˈtɜːnətɪv] hypothesis tested against it fails to achieve a predetermined significance level.

## HYPOTHESIS [hai'ppθisis] MEANINGS

under the hypothesis of a theorem ...

= по условию теоремы ...

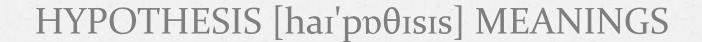
[haɪ'pɒθɪsɪs] late 16th cent.: via late Latin from Greek hypothesis 'foundation,' from hypo 'under' + thesis 'placing.'

## HYPOTHESIS [hai'ppθisis] MEANINGS

testable hypothesis

= проверяемая гипотеза ... (maths)

[haɪ'pɒθɪsɪs] late 16th cent.: via late Latin from Greek hypothesis 'foundation,' from hypo 'under' + thesis 'placing.'



tested hypothesis

= проверяемая гипотеза ... (стат.)

[haɪ'pɒθɪsɪs] late 16th cent.: via late Latin from Greek hypothesis 'foundation,' from hypo 'under' + thesis 'placing.'

## HYPOTHESIS [hai'pv $\theta$ isis], -ses [- sizz]





1) to accept hypothesis	— принять гипотезу
2) to advance a hypothesis (that)	
3) to confirm a hypothesis	
4) to formulate a hypothesis	
5) to propose a hypothesis	
6) to put forward a scientific	
hypothesis	
7) to make a hypothesis	
8) to form a hypothesis	
9) to frame a hypothesis	

### WHAT CAN YOU DO WITH HYPOTHESIS?

1) to accept hypothesis	— принять гипотезу
2) to advance a hypothesis (that)	<ul> <li>выдвигать гипотезу (, согласно</li> </ul>
	которой)
3) to confirm a hypothesis	— подтверждать гипотезу
4) to formulate a hypothesis	<ul><li>выдвигать / формулировать</li></ul>
	гипотезу
5) to propose a hypothesis	<ul><li>выдвигать / предлагать гипотезу</li></ul>
6) to put forward a scientific	<ul> <li>выдвигать научную гипотезу</li> </ul>
hypothesis	
7) to make a hypothesis	— строить / <b>выдвигать</b> гипотезу
8) to form a hypothesis	— строить / <b>выдвигать</b> гипотезу
9) to frame a hypothesis	<ul> <li>– строить / представлять гипотезу</li> </ul>



to test a hypothesis with
experiment

to test a statistical hypothesis

to reject a hypothesis

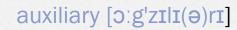
to refine a hypothesis

to refute a contention /
statement or assumption

#### WHAT CAN YOU DO WITH HYPOTHESIS?

to test a hypothesis with	<b>– проверять гипотезу на</b>
experiment	опыте
to test a statistical hypothesis	<ul> <li>проверять статистическую</li> </ul>
	гипотезу
to reject a hypothesis	— отвергать гипотезу
to refine a hypothesis	— уточнить гипотезу
to refute a contention /	— опровергать заявление /
statement or assumption	утверждение / допущение
	(т.е. гипотезу)

The working hypothesis is tested and refined through discussion.



### WHAT KIND OF HYPOTHESIS?

1. null hypothesis	— начальная гипотеза
2. ad hoc hypothesis	— гипотеза для данного случая
3. working hypothesis	— рабочая гипотеза
4. accepted hypothesis	— принятая гипотеза
5. acceptable hypothesis	— допустимая /приемлемая
	гипотеза
6. admissible hypothesis	— допустимая /приемлемая
	гипотеза
7. auxiliary hypothesis	— вспомогательная гипотеза
8. coarse [kɔːs] hypothesis	— приближённая гипотеза



— дополнительная гипотеза
— сложная гипотеза, составная
гипотеза
— подтверждаемая гипотеза
— подтвержденная гипотеза
— ложная гипотеза / неверная
гипотеза
— неявная / подразумеваемая
гипотеза
— отвергнутая [отклонённая] гипотеза
— альтернативная гипотеза



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### WHAT KIND OF HYPOTHESIS?

17. alternative [ɔːlˈtɜːnətɪv] H	— альтернативная гипотеза
18. one-sided alternative H	— односторонняя
	альтернативная гипотеза
19. the residual [rɪˈzɪdjuəl]	— остаточная гипотеза
hypothesis	
20. single / simple hypothesis	— простая гипотеза
21. statistical hypothesis	— статистическая гипотеза
22.two-sided alternative	— двусторонняя альтернативная
hypothesis	гипотеза
23. true hypothesis	— истинная / верная гипотеза
24.hypothesis under test	— проверяемая гипотеза



Theory ['θιοτι] is an idea used to account for a situation or justify a course of action.

It is a nontechnical name for *hypothesis*.

Syn: hypothesis, thesis, conjecture, supposition, speculation, postulation, postulate, proposition, premise, surmise [səˈmaɪz], assumption, presupposition; opinion, view, belief, contention. My theory would be that the place has been seriously mismanaged... I have a theory about that.