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# feedback 🦥

Use Feedback in a sentence

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### feed-back [feed-bak] noun

Electronics. the process of returning part of the output of a circuit, system, or device to the input, either to oppose the input (negative feedback) or to aid the input (positive feedback)

b. acoustic feedback

- the furnishing of data concerning the operation or output of a machine to an automatic control device or to the machine itself, so that subsequent or ongoing operations of the machine can be altered or corrected.
- a reaction or response to a particular process or activity:  $He\ got$ very little feedback from his speech.
- evaluative information derived from such a reaction or response: to study the feedback from an audience survey.
- ${\it Psychology}$  . knowledge of the results of any behavior considered as influencing or modifying further performance. Compare biofeedback.

# Relevant Questions

1915-20; noun use of verb phrase feed back

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World English Dictionary

feedback ('fi:d.bæk)

Origin:

- 1. a. the return of part of the output of an electronic circuit, device, or mechanical system to its input, so modifying its characteristics. In **negative feedback** a rise in output energy reduces the input energy; in positive feedback an increase in output energy reinforces the input energy
  - b. that part of the output signal fed back into the input
- 2. the return of part of the sound output by a loudspeaker to the microphone or pick-up so that a high-pitched whistle is produced
- 3. the whistling noise so produced
- 4. a. the effect of the product of a biological pathway on the rate of an earlier step in that pathway
  - b. the substance or reaction causing such an effect, such as the release of a hormone in a biochemical pathway
- 5. information in response to an inquiry, experiment, etc: there was little feedback from our questionnaire
- 6. ( tr ) to return (part of the output of a system) to its input
- 7. to offer or suggest (information, ideas, etc) in reaction to an  $\,$ inquiry, experiment, etc

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Word Origin & History

Etymonline

Collins

1920, in the electronics sense, from  $\underline{\text{feed}}$  +  $\underline{\text{back}}$  (adj.). Transferred

**Example sentences** 

We're working to solve these problems, and your feedback will help us do so.

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Positive feedback and multiple equilibria have to

His playing isn't prone to **feedback** or scrabbling, and he has little interest

As the systems people would say, there is no feedback loop.

Sagrana 💸

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"A family's responses to crisis or to a new situation mirror those of a child That is to say, the way a small child deals with a new challenge (for instance, learning to walk) has certain predictable stages: regression, anxiety, mastery, new energy, growth, and feedback for future achievement. These stages can also be seen in adults coping with new life events, whether positive or negative.

-T. Berry Brazelton

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use, and about the results of a process is attested by 1955. Online Etymology Dictionary, © 2010 Douglas Harper Cite This Source



Medical Dictionary feedback feed-back (fēd'bāk')

American Heritage

The return of a portion of the output of a process or system to the input, especially when used to maintain performance or to control a system or process.

The portion of the output so returned.

The return of information about the result of a process or

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Science Dictionary

American Heritage

feedback [%PREMIUM\_LINK%] (fēd'bāk') Pronunciation

The supply of an input to some process or system as a function of its output. See more at <u>negative feedback</u>, positive feedback.

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**Cultural Dictionary** 

American Heritage

## feedback definition

A process in which a system regulates itself by monitoring its own output. That is, it "feeds back" part of its output to itself. Feedback is used to control machines; a heating system, for example, uses a <a href="https://docs.org/nc/heat-state-

 $\emph{Note}$ : By extension, "feedback" is any response or information about the result of a process.

Note: Feedback is usually a feature of automation.

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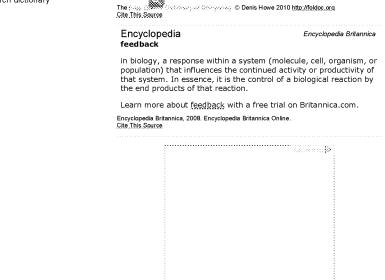
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# feedback definition

electronics

Part of a system output presented at its input. Feedback may be unintended. When used as a design feature, the output is usually transformed by passive components which attenuate it in some manner; the result is then presented at the system input. Feedback is positive or negative, depending on the sign with which a positive change in the original input reappears after transformation. Negative feedback was invented by Black to stabilise <u>vacuum tube</u> amplifiers. The behaviour becomes largely a function of the feedback transformation and only minimally a function of factors such as transistor gain which are imperfectly known. Positive feedback can lead to instability; it finds wide application in the construction of oscillators. Feedback can be used to control a system, as in feedback control. (1996-01-02)

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