

Duck Test

The duck test is a humorous term for a form of inductive reasoning. It is explained as follows: ***“If it looks like a duck, swims like a duck and quacks like a duck then it probably is a duck.”***

The Duck Test implies that a person can figure out the true nature of something by observing the subjects readily identifiable traits. It can also be used to identify something that is not what it appears to be.



The Duck Test can be used for inductive reasoning for electrical devices that fail or continue to fail during a power disturbance as follows:

If an electrical device fails and the standard procedure is to reboot it, repair it or replace it, then a power disturbance issue probably occurred and the electrical device will probably continue to fail during a power disturbance.

If one electrical device often fails and one of the above methods corrected the failure, than a power disturbance issue probably occurred and the electrical device will probably continue to fail during a power disturbance.

If several electrical devices often fail and one or more of the above methods corrected the failure, than a power disturbance issue probably occurred and the electrical devices will probably continue to fail during a power disturbance.

When any statement above is true then restoration costs production time, income, and productive labor time have been lost.

When these issues re-occur over a long period of time the restoration costs, production time, income, and productive labor cost continue to grow without a solution to correct the problem.