

Science or Pseudoscience Fact Cards

<p>It is testable and falsifiable.</p>	<p>It incorporates multiple pieces of evidence (ex: chemistry, physics).</p>	<p>Experiments and results should be repeatable.</p>	<p>Hypotheses and theories are often modified or discarded whenever new or better observations or experiments no longer support them.</p>
<p>There is no such thing as absolute truth in science, but enough evidence can be collected and analyzed to obtain an objective truth that is considered beyond all reasonable doubt.</p>	<p>Evidence is really all that matters and is more important than opinion, even by scientists.</p>	<p>Science only investigates the natural universe and does not operate in the realm of the supernatural.</p>	<p>Science cannot answer questions about right, wrong, or meaning/purpose, but scientific conduct must be ethical.</p>
<p>Pseudo means false, therefore pseudoscience means false science or really is not a scientific endeavor.</p>	<p>Does not comply with the usual scientific evidence and tests.</p>	<p>May claim to be at a higher level than science, or in an area that science can not understand like the supernatural realm. Therefore, it is irrefutable even when contradicted by science.</p>	<p>Often inconsistent with existing, well-established scientific knowledge.</p>
<p>It is stated as being true based on a belief that is often not testable or falsifiable, or if it is, has been falsified.</p>	<p>Often uses scientific sounding language.</p>	<p>Claims are often so vague as to be essentially meaningless or are bound to be true sometimes.</p>	<p>Truth is based on arguments of authority of a famous person rather than evidence.</p>