

Thought Experiments Activity

Before beginning this activity select and read the information from at least 5 of the following Wikipedia websites:

1. Abilene Paradox, http://en.wikipedia.org/wiki/Abilene_paradox
2. Ad Hominem, http://en.wikipedia.org/wiki/Ad_hominem
3. Appeal to Authority, http://en.wikipedia.org/wiki/Appeal_to_authority
4. Argument from Ignorance, http://en.wikipedia.org/wiki/Argument_from_ignorance
5. Argument from Silence, http://en.wikipedia.org/wiki/Argument_from_silence
6. Argumentum Ad Populum, http://en.wikipedia.org/wiki/Argumentum_ad_populum
7. Begging the Question, http://en.wikipedia.org/wiki/Begging_the_question
8. Biased Sample, http://en.wikipedia.org/wiki/Biased_sample
9. Chewbacca Defense, http://en.wikipedia.org/wiki/Chewbacca_Defense
10. Correlation Implies Causation, http://en.wikipedia.org/wiki/Correlation_implies_causation_%28logical_fallacy%29
11. Ecological Fallacy, http://en.wikipedia.org/wiki/Ecological_fallacy
12. Fallacy of Many Questions, http://en.wikipedia.org/wiki/Fallacy_of_many_questions
13. Gambler's Fallacy, http://en.wikipedia.org/wiki/Gambler%27s_fallacy
14. Historian's Fallacy, http://en.wikipedia.org/wiki/Historian%27s_fallacy
15. Infinite Monkey Theorem, http://en.wikipedia.org/wiki/Infinite_Monkey_Theorem
16. Invalid Proof, http://en.wikipedia.org/wiki/Invalid_proof
17. Liar Paradox, http://en.wikipedia.org/wiki/Liar_paradox
18. Lump of Labour, http://en.wikipedia.org/wiki/Lump_of_labour_fallacy
19. Monty Hall Problem, http://en.wikipedia.org/wiki/Monty_Hall_problem
20. Newcomb's Paradox, http://en.wikipedia.org/wiki/Newcomb%27s_paradox
21. Nirvana Fallacy, http://en.wikipedia.org/wiki/Nirvana_fallacy
22. No True Scotsman, http://en.wikipedia.org/wiki/No_true_Scotsman
23. Non Sequitur, http://en.wikipedia.org/wiki/Non_sequitur_%28logic%29
24. Occam's Razor, http://en.wikipedia.org/wiki/Occam%27s_razor
25. Omnipotence Paradox, http://en.wikipedia.org/wiki/Omnipotence_paradox
26. Overwhelming Exception, http://en.wikipedia.org/wiki/Overwhelming_exception
27. Parable of the Broken Window, http://en.wikipedia.org/wiki/Parable_of_the_broken_window
28. Paradox of the Heap, http://en.wikipedia.org/wiki/Sorites_paradox
29. Prosecutor's Fallacy, http://en.wikipedia.org/wiki/Prosecutor%27s_fallacy
30. Raven Paradox, http://en.wikipedia.org/wiki/Raven_paradox
31. Regression Fallacy, http://en.wikipedia.org/wiki/Regression_fallacy
32. Ship of Theseus, http://en.wikipedia.org/wiki/Ship_of_Theseus
33. Slippery Slope, http://en.wikipedia.org/wiki/Slippery_slope
34. Sophism, <http://en.wikipedia.org/wiki/Sophism>
35. Straw Man, http://en.wikipedia.org/wiki/Straw_man
36. Style Over Substance Fallacy, http://en.wikipedia.org/wiki/Style_over_substance_fallacy
37. Texas Sharpshooter Fallacy, http://en.wikipedia.org/wiki/Texas_sharpshooter_fallacy
38. Three Men Make a Tiger, http://en.wikipedia.org/wiki/Three_men_make_a_tiger
39. Wishful Thinking, http://en.wikipedia.org/wiki/Wishful_thinking
40. Zeno's Paradoxes, http://en.wikipedia.org/wiki/Zeno's_paradoxes

Thought experiments don't relate only to relativity. They, along with paradoxes, theorems, proofs, logical fallacies, and arguments have been used in many disciplines such as philosophy, sociology, mathematics, physics, economics, and politics to convince, clarify, assert, deny, and confuse. It's our responsibility to demonstrate that we recognize sound and unsound logic and in this activity you are given the opportunity to do exactly that.

Every student will be assigned a different one of the articles listed above. You will need to write a **one page, double-spaced, typed** summary of the information found in the article which includes the following:

1. title and classification (paradox, theorem, proof, logical fallacy, argument, other)
2. summary of the article topic
3. example of how the information in the article is used and/or misused in everyday life
4. any other interesting information about the article topic

You are not required to site any additional resources, but if you do so, you **must** include references and you **must type** your summary and include the reference for the site that you used in order to receive credit.