

Engl 7, Fall 2006  
Student Conditional Examples

1. If Phil Angelides becomes governor, then California will be in trouble. And California is not in trouble, so Angelides must not have become governor.
2. If I go to a play, then I will have a nice afternoon. I went to a play; therefore I had a nice afternoon.
3. If the A's win the World Series, I will be happy. And I am happy, so they must have won.
4. If John drops out of school, then he will be evicted by his parents. John dropped out, therefore he was not evicted.
5. If I get sidetracked, then I will be late. I was not sidetracked, therefore I was not late.
6. When Billy is late, he sometimes misses the bus. Billy missed the bus. Therefore, he is late.
7. The grass grows if the sun shines. The grass does not grow. So, the sun is not shining.
8. Cats are tired when cats go to sleep. Cats are sleeping. So, they are tired.
9. Holly will live in LA when hell freezes over. Hell is not frozen over. Therefore, Holly does not live in LA.
10. The students use umbrellas when it rains outside. It's raining outside. The students are using umbrellas.
11. If it is sunny, then I go swimming. It is sunny. So I went swimming.
12. If I eat fruit, then I am healthy. I am healthy. So I eat fruit.
13. If I am cold then it's raining. It's not raining. So, I am not cold.
14. If I am happy then it is sunny. I am not happy. So, it is not sunny.
15. If he is a dancer, then he is skinny. He is a dancer. So, he is skinny.
16. If I drink water, then I will need to use the restroom. I didn't use the bathroom, so I didn't drink water.
17. If I wear my glasses, then I can see. I didn't wear my glasses, therefore I couldn't see.
18. If I stop by at Starbucks, then I will be late for class. I wasn't late for class, so I didn't stop by at Starbucks.
19. If you eat before you sleep, then you will gain weight. I did gain weight, therefore I ate before I slept.
20. If you party too much, then you will not be able to do well in school. I did extremely well in my classes, so I didn't party that much.
21. If somebody has X and Y chromosomes, then somebody is a male. She is not a male, so she does not have X and Y chromosomes.
22. If I am speeding, then I will get ticket. I got a ticket, so I must have been speeding.
23. If he is totally blind, then he can not see anything. But he can see something, so he is not totally blind.
24. If I am take the job, then I will make money. But I didn't take the job. So I'm not making any money.
25. If you do not drink water for a couple of weeks, you will die. But you did drink water, so I guess you won't die.
26. If sunny then hot. It's hot so it must be sunny.
27. If money then vacation. No money therefore no vacation.
28. If smart then good grades. Good grades therefore smart.
29. If exercise then in shape. You exercised. Therefore you are in shape.
30. If good eating habits then healthy. You are not healthy; therefore you don't have good eating habits.
31. If Bill gets good grades, he will get some money from his parents. What can you conclude if Bill gets some money?
32. I will go to sleep if I'm tired. I'm not tired, so I won't go to sleep.
33. If Anna sneezes, then she has a cold. Anna has a cold, so she is sneezing.
34. If it is snowing, then there is no sun. There is no sun, so it is snowing.
35. I will drink hot chocolate if it is freezing. I drank hot chocolate, so it must be freezing.
36. If you run a lot, then you will lose weight. You run a lot. Therefore you will lose weight.
37. If my feet are yellow, then they are golden. My feet are golden. Therefore my feet are yellow.
38. If my armpit smells bad, then I am a superstar. My armpit smells bad. Therefore I am a superstar.
39. If you love me, then you will not cheat. You cheat. Therefore you do not love me.

40. If you are ugly, then you are dateless. You are dateless. Therefore you are ugly.
41. If I run for a long time, I will get tired. I got tired, so I must have run for a long time.
42. If I stay up past 2 AM then I won't get enough sleep. I stayed up past 2 AM, so I must get tired.
43. If I climb that tree then I will hurt myself. I didn't get hurt, so I didn't climb the tree.
44. If I drink too much then I will get sick. I got sick, so I drank too much.
45. If I get money then I can buy a new car. I bought a new car, so it must mean that I got money.
46. My car will stop if it runs out of gas. My car ran out of gas. So my car stopped.
47. If Q is negated then the conditional argument is valid. The argument is not valid. Therefore Q is not negated.
48. When I go to the barber shop I get a hair cut. I did not get a haircut where I went. So the place I went to get a haircut was not a barber shop.
49. When I get on my back I doze off. I dozed off. So I am on my back.
50. When a dude tries to cut you off in traffic and can't, he pulls over to the other lane and says "Sup hommie got a problem? Ever heard of 'yield,' hommie?" This dude tried to cut me off in traffic. So this guy said that to me.

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### Answer Key

1. Valid: negating the consequent. (PW)
2. Valid: affirming the antecedent. (PW)
3. Invalid: affirming the consequent. (PW)
4. This is valid: affirming the antecedent. (PW)
5. Invalid: negating the antecedent. (PW)
6. Invalid: affirming the consequent. (HS)
7. Valid: negating the consequent. Remember that P comes after the "if." (HS)
8. Valid: affirming the antecedent. Remember that P comes after the "if," or in this case the "when." (HS)
9. Valid: negating the consequent. (HS)
10. Valid: affirming the antecedent. (HS)
11. Valid: affirming the antecedent. (SS)
12. Invalid: affirming the consequent. (SS)
13. Valid: negating the consequent. (SS)
14. Invalid: negating the antecedent. (SS)
15. Valid: affirming the antecedent. (SS)
16. Valid: negating the consequent. (CC)
17. Invalid: negating the antecedent. (CC)
18. Valid: negating the consequent. (CC)
19. Invalid: affirming the consequent. (CC)
20. Valid: negating the consequent. (CC)
21. Valid: negating the consequent. (JZ)
22. Invalid: affirming the consequent. (JZ)
23. Valid: negating the consequent. (JZ)
24. Invalid: negating the antecedent. (JZ)
25. Invalid: negating the antecedent. (JZ)
26. Invalid: affirming the consequent. (MC)
27. Invalid: negating the antecedent. (MC)
28. Invalid: affirming the consequent. (MC)
29. Valid: affirming the antecedent. (MC)
30. Valid: negating the consequent. (MC)
31. You cannot conclude that Bill got good grades (affirming the consequent); this is invalid. (AF)
32. Valid: negating the consequent. (AF)
33. Invalid: affirming the consequent. (AF)
34. Invalid: affirming the consequent. (AF)
35. Valid: affirming the antecedent. (AF)
36. Valid: affirming the antecedent. (JC)
37. Invalid: affirming the consequent. (JC)
38. Valid: affirming the antecedent. (JC)
39. Valid: negating the consequent. (JC)
40. Invalid: affirming the consequent. (JC)
41. Invalid: affirming the consequent. (LN)
42. If "get enough sleep" and "get tired" are contradictory, then this is valid (affirming the antecedent). But, since not getting enough sleep doesn't always mean you are tired, these must not be contradictory, so this would be invalid. (LN)
43. Valid: negating the consequent. (LN)
44. Invalid: affirming the consequent. (LN)
45. Invalid: affirming the consequent. (LN)
46. Valid, because P is affirmed, so you can conclude that Q is affirmed. (JR)
47. Valid, because Q is negated, so you can conclude that P is negated. (JR)
48. Valid, because Q is negated, so P in the conclusion is negated. (JR)
49. Invalid because Q, doze off, is being affirmed. (JR)
50. Valid: affirming the antecedent. (JR)