

**Answer:** Deductive. The first premise says something definite about every insect. The second premise says that an insect is crawling on me. If both premises are assumed to be true, then the conclusion is necessarily true.

Instructions:  
Label each  
argument  
deductive  
or inductive

2. Most insects have six legs. What's crawling on me is an insect. Therefore, what's crawling on me probably has six legs.
3. The exam's range of A scores is 90–100. I got a 98 on the exam. It follows necessarily that I got an A on the exam.
4. The exam's range of A scores is 90–100. I got an A on the exam, thus I got a 98 on the exam.
- ★ 5. All fires need oxygen. There is no oxygen in that room. So there is no fire in that room.
6. Some fires need no oxygen. There is no oxygen in that room. So there is no fire in that room.
7. Carly tossed a coin ten times, and in each case it came up heads. I have a feeling that it is a trick coin. I predict the next toss will be heads.
8. Carly tossed a coin ten times, and in each case it came up heads. The law of averages says that this cannot go on indefinitely. I predict the next toss will be tails.
- ★ 9. All elements with atomic weights greater than 64 are metals. Z is an element with an atomic weight of 79. Therefore, Z is a metal.
10. The majority of elements with atomic weights greater than 64 are metals. Z is an element with an atomic weight of 79. Therefore, Z is probably a metal.
11. Antibiotics have no effect on viruses. You have a disease that is caused by a virus. You are taking the antibiotic Q. Thus the antibiotic you are taking will have no effect on your disease.
12. Some antibiotics are effective for treating certain bacterial infections. You have a bacterial infection. You are taking the antibiotic Q. Thus the antibiotic you are taking will be effective in treating your bacterial infection.
- ★ 13. Anyone over 21 years of age can legally play the slot machines in Las Vegas. Sam is 33 years old. Sam can legally play the slot machines in Las Vegas.
14. Anyone over 21 years of age can legally play the slot machines in Las Vegas, unless they are a convicted felon. Sam is 33 years old. Sam can legally play the slot machines in Las Vegas.
15. Every orange has seeds. I am eating an orange, so I am eating something with seeds.
16. Most fruit have seeds. I am eating an orange. All oranges are fruit, so I am eating something with seeds.
- ★ 17. Most Doberman dogs bark a lot. My cousin just got a Doberman dog. Therefore, my cousin's Doberman dog will probably bark a lot.

18. The vast majority of a survey of 600 people who identified themselves as being very religious reported that they were against capital punishment. It is safe to say that the vast majority of all Americans think the same way.
19. Last week, when my car would not start, Mom took me to get a new battery. As soon as I installed it, my car started right up. So my old battery was probably defective.
20. No car battery that has at least one defective cell can be repaired. Your car battery has at least one defective cell, so it cannot be repaired.
- ★ 21. It's our job to make college basketball players realize that getting an education is something that's important, because life after basketball is a real long time.  
Larry Brown, Southern Methodist University basketball coach
22. Many women who used to be full-time mothers are discovering that outside work gives them friends, challenges, variety, money, independence; it makes them feel better about themselves, and therefore lets them be better parents.  
Wendy Coppedge Sanford, *Ourselves and Our Children*
23. If the NBA Finals rock, then the NBA thrives. If the NBA Finals are filled with stars, then the NBA Finals rock. If the Heat make the NBA Finals, then the NBA Finals will be filled with stars. Therefore, if the Heat make the NBA Finals, then the NBA thrives.  
Dan Wheeler, adapted from "Rick Reilly's Mailbag," ESPN.com
24. Even when people think they're multitasking, what they are really doing is switching between tasks, not doing them simultaneously. And constant exposure to multiple devices at the same time isn't making people any better at it. "The more stuff you have, the less you are able to focus on individual things. There is very limited bandwidth for conscious thought," said Earl Miller, professor of neuroscience at MIT.  
Keith Wagstaff, "The 'Smart Life': How Connected Cars, Clothes and Homes Could Fry Your Brain," NBC News
- ★ 25. Studies indicate that when you have been forced to wait at the end of the line throughout your childhood, you tend to jump at the opportunity to be first when you grow up. So, if your last name begins with a letter near the end of the alphabet you're more likely to have a twitchy finger anxious to hit the buy button, whether for clothes or concert tickets.  
"How Your Last Name Affects Shopping Decisions," Today.com
26. Senate Majority Leader Harry Reid said that he thinks the Washington Redskins football team will change the name. Reid accused Redskins owner Daniel Snyder of hiding behind tradition in retaining his team's name. "It is untoward of Daniel Snyder to try to hide behind tradition," Reid said. "Tradition? What tradition? A tradition of racism is all that name leaves in its wake. Mr. Snyder knows that in sports the only tradition that matters is winning, so I urge Daniel Snyder to do what's morally right and remove this degrading term from the league by changing his team's name."  
Interview with Harry Reid in *The Washington Post*



27. "The policies the United States has had for the last 41 years have become irrelevant," said Morris Panner, a former counternarcotics prosecutor in New York and at the American Embassy in Colombia, who is now an adviser at Harvard's Kennedy School of Government. "The United States was worried about shipments of cocaine and heroin for years, but whether those policies worked or not doesn't matter because they are now worried about Americans using prescription drugs."

Damien Cave and Michael S. Schmidt, "Rise in Pill Abuse Forces New Look at U.S. Drug Fight," *The New York Times*

28. The decision by this Administration to try terrorists in civilian court was the wrong one from day one, and yesterday's acquittal on 284 of 285 charges against Ghailani is further proof it has no overarching strategy to prosecute the War on Terror and keep America safe. It's time for the Administration to reverse course, and commit to keeping Khalid Sheikh Mohammed and other Gitmo detainees outside the United States and to try them in military courts.

John Boehner, Speaker of the United States House of Representatives

- ★ 29. The Supreme Court sided with the video game industry today, declaring a victor in the six-year legal match between the industry and the California lawmakers who wanted to make it a crime for anyone in the state to sell extremely violent games to kids. . . . Writing for a plurality of justices, Justice Scalia said California's arguments "would fare better if there were a longstanding tradition in this country of specially restricting children's access to depictions of violence, but there is none." He cited numerous examples of violence in literature. "Reading Dante is unquestionably more cultured and intellectually edifying than playing 'Mortal Kombat.' But these cultural and intellectual differences are not constitutional." "[Therefore, t]he basic principles of freedom of speech . . . do not vary with a new and different communication medium," Scalia wrote in the Court's opinion, citing an earlier speech case.

Stephen Totilo, "1st Amendment Beats Ban in Video Game Battle," *MSNBC.MSN.com*

30. The belief in God has often been advanced as not only the greatest, but the most complete of all the distinctions between man and the lower animals. It is however impossible, as we have seen, to maintain that this belief is innate or instinctive in man. On the other hand a belief in all-pervading spiritual agencies seems to be universal; and apparently follows from a considerable advance in man's reason, and from a still greater advance in his faculties of imagination, curiosity and wonder. I am aware that the assumed instinctive belief in God has been used by many persons as an argument for His existence. But this is a rash argument, as we should thus be compelled to believe in the existence of many cruel and malignant spirits, only a little more powerful than man; for the belief in them is far more general than in a beneficent Deity. The idea of a universal and beneficent Creator does not seem to arise in the mind of man, until he has been elevated by long-continued culture.

Charles Darwin, *The Descent of Man*