

# Computer Viruses Worksheet

**Directions:** Type your name in the header on the right. Read through the webpage posted on my blog on “What Is the Difference: Viruses, Worms, Trojans, and Bots?” You will use this information to answer questions 1-4.

Read the article on my blog about the “10 Worst Computer Viruses of All Time” and then answer the questions in your own words.

Underline your answers and make them **blue**. (Do not copy the text for your answer). When you are finished, save your document as a word or PDF file, and post it on your wordpress blog. The title of the post will be “Computer Viruses”.

**Sample question with correct answer format:**

What are the Asimov’s three laws of robotics? The first law states a robot may not injure a human being or, through inaction, allow a human being to come to harm. The second law says a robot must obey orders given it by human beings except where such orders would conflict with the First Law. The third law declares that a robot must protect its own existence as long as such protection does not conflict with the First or Second Law.

**Computer Viruses Questions:**

1. What is a virus? (not the ones that make you sick) A virus is a classification of malware (program with adverse effects) transmittable between other programs within a computer. Viruses are transmitted to separate computers by transferring programs comprised of the virus.
2. What is a worm? (not the gummy type nor the living ones) Worms are independent malware which are transmitted through inadequately protected computers.
3. What is a Trojan? A Trojan is a categorization of malware which appears as reputable software.
4. What is a bot? Bots are software which causes functions of a computer intended to be operated manually to occur without an individual.
5. What did John von Neumann theorize in 1949? John von Neumann believed that software capable of replicating autonomously was attainable.
6. What did hackers have to do back in the good old days (early 1980’s) in order to spread viruses? Computer viruses in the 1980’s were transmittable by means of external memory storage devices (ex. disks).
7. What does the virus Melissa do? The Melissa virus was transmittable by email which convinced users to operate the email attachment with the virus by falsely informing them that the email contains a document which they requested.
8. Who created the Melissa virus? David L. Smith originally programmed the Melissa virus.
9. What happened to the creator of the Melissa virus once he was caught and put on trial? David L. Smith received 20 months in prison and a fine of \$5000.

10. Where did the ILOVEYOU virus originate? [The ILOVEYOU virus originated from the Philippines, and was originally programmed by Onel de Guzman.](#)
11. Why do you think the ILOVEYOU virus spread so quickly? [The ILOVEYOU virus was transmitted quickly due to the curiosity instilled of the individual claiming to be a “secret admirer”.](#)
12. List 5 things the ILOVEYOU virus did. [The ILOVEYOU virus replaced other software with the ILOVEYOU worm, concealed itself among other software, was transmitted by email or Internet Relay Chat, and activated a software termed as WIN-BUGSFIX.EXE, which provided hackers with personal information within other computers.](#)
13. What could the Klez virus do? [The Klez virus was a worm which was transmittable through email and transmitted itself to other individuals from a host computer. The Klez virus may appear to be a software which assists in eradicating viruses. The Klez virus falsely informs of the individual responsible for transmitting it.](#)
14. List 5 antivirus programs. [Five antivirus programs include McAfee, AVG Anti-Virus, Kaspersky Anti-Virus, McAfee VirusScan, and Norton AntiVirus.](#)
15. Why shouldn't you install more than one antivirus program on your computer? [Multiple antivirus software may inadequately coexist within a computer due to certain incompatibilities within each program, therefore resulting in interferences between the programs.](#)
16. What did the Code Red and Code Red II viruses do? [The Code Red and Code Red II viruses excessively conveyed information to the web servers \(by excessively contacting the servers\) in the White House by means of computers containing the virus, causing the web servers to overload due to the inability of the web servers to process received information efficiently.](#)
17. What did the Skulls virus do to people's phones? [The Skulls virus essentially appeared as images of skulls.](#)
18. List 3 important systems that failed in the United States due to the SQL Slammer/Sapphire virus. [Three systems which were nonfunctional due to the SQL Slammer/Sapphire virus are the ATM system of the Bank of America, the computing systems concerning ticketing within Continental Airlines, and computing systems pertaining to services within Seattle.](#)
19. What did the Ping-pong virus do? Was it a malicious virus? [The Ping-pong virus caused a computer to display a ball bouncing. The Ping-pong virus was a malicious virus due to the possible intention for it to be a nuisance.](#)
20. How old was Sven Jaschan when he created worms? [Sven jaschan was 17 years old.](#)
21. How does the Netsky virus move? [The Netsky virus propagated by email and was operated by an email attachment.](#)
22. Some Mac users think they're immune to virus attacks. Is this true? Give an example to support your answer. [Viruses which affect Macs exist. An example of a virus pertaining to Macs is the Leap-A/Oompa-A.](#)

23. BONUS:

How do Zombie Computers work? You'll have to read another article to answer this question. [Zombie computers contain a virus which allows a hacker to acquire control of the computer remotely. Zombie computers execute the commands sent by the hacker without the knowledge of the user.](#)