

NAME: \_\_\_\_\_ DATE: \_\_\_\_\_

**Northampton Community College  
CISC267 – CCNA 2 - Chapter 10 Study Guide**

1. When a router is configured to use a link-state routing protocol and is added to the network, what is the first thing that it does to begin learning the network topology?
2. What is an LSP?
3. What events would cause a link-state router to send LSPs to all neighbors?
4. List the steps in the Link state routing process.
5. What information is contained in an LSP?
6. Why are link state protocols faster to converge?
7. What feature of link state routing makes it difficult for routing loops to occur?
8. What are the advantages of using link state protocols over distant vector protocols?
9. What is the name of the algorithm used by OSPF?

10. How does OSPF determine cost?
  
11. Which database should be identical in all routers in an area?
  
12. When are link-state packets sent to neighbors?
  
13. Where does a link state router send hello packets?