OSI Model Quiz

Name: _____   Date: _____

1. How many layers are on the theoretical OSI Model? _____

2. What four networking items function on the Physical Layer?

_____ , _____ , _____ , _____

3. What does OSI stand for? _____

4. What two networking items function on the Data Link Layer?

_____ , _____

5. What are the two sub layers of the Data Link Layer?

_____ , _____

6. What networking item functions on the Network Layer?

_____

7. What networking item is located in the Personal Computer (PC)?

_____

8. What layers of the OSI Model are referred to as the "Hardware Layers"?

_____ , _____ , _____

9. What layers of the OSI Model are referred to as the "Software Layers"?

_____ , _____ , _____ , _____

10. What is the function of the Physical Layer of the OSI Model?

11. What is the function of the Data Link Layer of the OSI Model?

12. What is a MAC address?

13. Name any five components of a Data Frame.

14. What is the function of the Network Layer of the OSI Model?

15. What is the function of the Transport Layer of the OSI Model?

16. What is the function of the Session Layer of the OSI Model?

17. What is the function of the Presentation Layer of the OSI Model?

18. What is the function of the Application Layer of the OSI Model?

19. The Intelligence Agency wants a redundant network with three layers of communication. All of their computers have a single embedded NIC. There are 98 computers in the observation room; there are 36 analysis stations with five computers each. The maintenance department has 24 computers and the administration office has 112 computers. We need to order devices along with an addition 10% for spares. How may NICs do we need to order? Show your work.