

# Computer Maintenance 1

## Module 1 Homework/Study Guide

Define these terms:

1. Form Factor
2. ATX
3. Micro-ATX
4. BTX
5. ITX
6. AC
7. DC
8. Berg Power Connector
9. Molex Power Connector
10. Main Power Connector
11. SATA Power Connector
12. Auxiliary Power Connectors
13. Volts
14. Amps
15. Watts

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Fill in the blank:

16. One of the main functions of a case is to provide \_\_\_\_\_.

17. The colors carry what voltages?

Wire Color	Voltage
Yellow	
Blue	
Orange	
Red	
White	
Black	

18. In the US, AC currents come out of the outlet at \_\_\_\_\_volts @ \_\_\_\_\_Hz.

19. Using the Internet, find and describe the specifications for a 600w-750w power supply you might use in your ultimate computer.

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20. You have a typical computer that is using 3.6 amps. What size power supply do you need to run this system? (Show your work)
21. You have an energy efficient computer that is using only 1.6 amps. What size power supply do you need to run this system? (Show your work)
22. You have a powerful computer that is using 5.2 amps. What size power supply do you need to run this system? (Show your work)
23. You have a typical computer that has two hard drives using .4 amps each, 2 DVD players using .3 amps each, a motherboard drawing 2.1 amps, and a video card using .6 amps. What size power supply do you need to run this system? (Show your work)