

## Lab - Research Computer Components

Use the Internet, trade publications, or a local store to gather information about the components you will need to complete your customer's computer. Information is provided for the components that your customer already has. Use these specifications to make sure that the components you research are compatible with the components your customer already owns. Be prepared to discuss your selections.

### Step 1: Answer the following PC component questions.

- a. List three components that must have the same compatible form factor.
- b. List three components that must conform to the same socket type.
- c. List two components that must utilize the same front side bus speed.
- d. List three considerations when you choose memory.
- e. What component must be compatible with every other component of the computer?

**Step 2: Perform research for compatible components for your customer.**

Your customer already owns the components described in the table below.

<b>Component</b>	<b>Brand and Model Number</b>	<b>Features</b>	<b>Cost</b>
<b>Case</b>	NZXT Source 210	ATX Mid Tower 2 x USB 2.0 Front Ports Bottom Mounted PSU Wire Management Support Dual 120mm Front Intake Also fits 2 x 120/140mm fan	\$39.99
<b>Motherboard</b>	ASUS H97-PRO Gamer	LGA 1150 Core i7 / i5 / i3 Intel H97 Chipset DDR3 1600/1333 MHz Non-ECC, Un-buffered 32GB Maximum Dual Channel Memory Supported 1 x PCIe 3.0/2.0 x16 1 x PCIe 2.0 x16 2 x PCI Express x1 4 x SATA 6Gb/s 4 x USB 3.0	\$104.99
<b>Hard Drive</b>	Western Digital WD5000AAKX	SATA 6.0Gb/s 500GB 7200 RPM 16MB Cache	\$52.99

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Search the Internet, trade publications, or a local store to research the following components, make sure they are compatible with the components that your customer owns. Enter the specifications in the table below.

Component	Brand and Model Number	Features	Cost
Power Supply			
CPU			
Heatsink/Fan			
RAM			
Video Adaptor Card			