1.4.7 Worksheet: Research Computer Components

Print and complete this worksheet.

In this worksheet, you will use the Internet, a newspaper, or a local store to gather information about the components you will need to complete your customer's computer. Be prepared to discuss your selections.

1. Your customer already owns the **case** described in the table below.

Brand and Model Number	Features	Cost
Cooler Master CAC-T05-UW	ATX Mid Tower ATX, Micro ATX compatible form factor 2 External 5.25" drive bays 2 External 3.5" drive bay 2 Internal 5.25" drive bays 7 expansion slots USB, Firewire, Audio ports	

2. Search the Internet, a newspaper, or a local store to research a **power supply** compatible with the components that your customer owns. Enter the specifications in the table below.

Brand and Model Number	Features	Cost

3. Your customer already owns the **motherboard** described in the table below.

Brand and Model Number	Features	Cost
GIGABYTE GA-965P-DS3	LGA 775 DDR2 800 PCI Express x16 SATA 3.0Gb/s interface 1.8V-2.4V RAM voltage 1066/800/533MHz Front Side Bus 4 Memory Slots Dual Channel Memory Supported ATA100 connector RAID 0/1 4 USB 2.0 ports ATX Form Factor	

4. Search the Internet, a newspaper, or a local store to research a **CPU** compatible with the components that your customer owns. Enter the specifications in the table below.

Brand and Model Number	Features	Cost

5. Search the Internet, a newspaper, or a local store to research a **cooling device** compatible with the components that your customer owns. Enter the specifications in the table below.

Brand and Model Number	Features	Cost

6. Search the Internet, a newspaper, or a local store to research **RAM** compatible with the components that your customer owns. Enter the specifications in the table below.

Brand and Model Number	Features	Cost

7. Your customer already owns the **hard disk drive** described in the table below.

Brand and Model Number	Features	Cost
Seagate ST3400620AS	400 GB 7200 RPM 16 MB Cache SATA 3.0Gb/s interface	$119.99

8. Search the Internet, a newspaper, or a local store to research a **video adapter card** compatible with the components that your customer owns. Enter the specifications in the table below.

Brand and Model Number	Features	Cost

1. List three components that must have the same or compatible form factor.

2. List three components that must conform to the same socket type.

3. List two components that must utilize the same front side bus speed.

4. List three considerations when you choose memory.

5. What component must be compatible with every other component of the computer?