Lewis Joseph Feik
Computer Hardware & OP Systems
Lab 3.4.1.7

Research memory options

Brand and Model Number	***Features***	***Cost***
Corsair Vengeance 8GB DDR3-1600	*240-pin, CL9 latency, 1600 MHz speed*	*$29.99*
Kingston HyperX Fury 8GB DDR3-1866	*240-pin, Plug-and-Play, 1866 MHz speed*	*$32.99*

*I would select the **Kingston HyperX Fury 8GB DDR3-1866** because it has a slightly faster speed (1866 MHz vs 1600 MHz) and is still affordable. Faster memory helps improve overall gaming performance.*

Research hard disk drive options

Brand and Model Number	***Features***	***Cost***
Seagate Barracuda 3TB 7200rpm SATA III	*64MB cache, 6 Gb/s transfer rate*	*$69.99*
Samsung 870 EVO 1TB SSD	*SATA III, 560 MB/s read, 530 MB/s write*	*$79.99*

*I personally would choose the **Samsung 870 EVO 1TB SSD**. Even though it has less capacity than the 3TB HDD, the SSD offers much faster performance, which is essential for gaming. Load times, boot speed, and responsiveness are significantly better on SSDs.*

Research video adapter card options

Brand and Model Number	***Features***	***Cost***
NVIDIA GeForce GTX 750 Ti (2GB GDDR5)	*PCIe 3.0, DirectX 12 support*	*$89.99*
AMD Radeon RX 560 (4GB GDDR5)	*PCIe 3.0, 128-bit bus, DirectX 12 support*	*$99.99*

*I personally selected the **AMD Radeon RX 560 (4GB)**. It has more VRAM than the GTX 750 Ti, which allows better performance in modern games. The cost difference is small, but the performance boost is significant.*