We selected a desktop computer for the Electronics Online Challenge Sponsored by Texas Instruments. We have decided to choose this desktop computer because we were interested in what allows the computer to run with such a reliability. Also, this system is used in our everyday lives. The computer contains variety of parts other than what we have chosen to show and discuss, such as a CPU, PSU, case fan and a ASUS motherboard, which allows this system to run with a reliability.

The parts we have chosen to show and discuss are the following GPU, Heatsink, DRAM and a HDD. First of all your HDD (Hard disk drive) is responsible for your storage not just documents, pictures, music, and videos it's also your programs, preferences, even your operating system they're all stored on your computer's hard drive. Next the GPU, GPU stands for graphics processing unit which rapidly speeds up the creation of pixels that display on screen. The Heatsink is a heat exchanger that transfers the heat generated by the CPU to a fluid medium where it is dissipated away from the device with a fan. Without a heatsink, the system would overheat quickly causing the system to shut down even just after a few minutes. This makes the heatsink very important to the system; without this component it makes the system not useable. Memory (DRAM) is a component in your computer that allows your system to perform many of its everyday tasks, such as load applications, or browse the Web. Memory is what allows your computer to perform its basic functions. As a general rule the more memory you have, the better.

All in all, we have learned that every system needs components to function and operate reliably. We also have learned that all components are equally as important as the other in the system. Aswell, we have learned the names of parts in the desktop computer and what their functions are.

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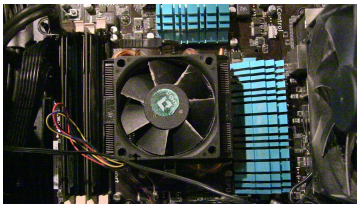

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1. Dram or also know as memory
2. (HDD) Hard drive
3. Heatsink
4. (GPU) Graphics Processing Unit