Name: Class:

Task 1

Technology has changed significantly since 2000. Complete the following table to show the technological changes that have happened in this millennium. You may need to research some of the categories on the Internet to complete this task.

The first category has been completed for you.

|  |  |  |  |
| --- | --- | --- | --- |
| **Category** | **The previous technology before 2000** | **Technological change** | **What the technological change has led to** |
| **Storage** | Magnetic disks  Typical storage of a hard disk on a PC was around 100MB | Solid state disks  Typical storage in an SD card is 128GB  Typical hard drive storage is 1TB | Solid state storage means that the parts are more robust and can be made smaller. This has been important for portable devices.  A larger storage size has allowed people to store higher quality photos and video. |
| **CPU speed and performance** |  |  |  |
| **Internet connectivity** |  |  |  |
| **Connecting a LAN together** |  |  |  |
| **Personal Area Networks (PANs)** |  |  |  |
| **Mobile Internet** |  |  |  |

Task 2

Some new technologies that are already being used or are being developed for the future are:

* Video conferencing
* Computer games
* Robots to do household tasks
* Delivery drones

(a) Choose **one** of these categories or a different category of your choice.

(b) Research the topic. In particular, focus on:

* What hardware and software is used?
* What the affect will be on organisations and individuals?
* What are some interesting facts or statistics about the technology?
* Write notes about your topic below.

Task 3

Many people are concerned about the increasing use of robots in manufacturing. Discuss whether these concerns are justified.

Task 4

Discuss how technological developments in technology have been used in medicine and affected the ways in which people are treated.

Task 5

Emerging technologies have influenced the daily lives of individuals and the societies in which they live.

(a) Working with a partner, choose **one** of the following categories:

* Communications – e.g. text messaging, email, video calls, instant messaging, VoIP
* Media – HD and 4K video, digital video, video on demand, streaming, digital music, cloud services
* Entertainment – computer games, smart televisions, home cinema systems
* Social media – Facebook, Instagram, Snapchat, YouTube etc

(b) Discuss the impact of these technologies on:

* The ways in which people interact with each other
* Work and employment
* Education
* Leisure

Report your views back to the class.