WORKSHEET – INTRO TO FILES & FOLDERS

BITS & BYTES

1) Computers can only store data as sequences of _____ and _____. This is known as binary. (Fact: It is possible to build computers that can store more types of values but we haven't managed to make such systems economical enough to mass manufacture.)

2) A single value of zero or one is called a _____. Eight of these is called a _____.

3) A thousand bytes (really, its 1024 bytes) is known as a _____. The reason that 1024 is used is because 2^{10} is 1024.

4) A million bytes (really, its 1024 x 1024 bytes) is known as a _____.

5) A billion bytes (really, its 1024^3 bytes) is known as _____.

6) A trillion bytes (really, its 1024^4 bytes) is known as _____.

FILE SYSTEM

7) In computer memory, all information that belongs together is stored in a _____.

8) Files can be organized into different _____.

9) _____ is another name used for folder on some computer systems.

10) A folder inside another folder is called a _____ or a _____.

11) All files have a name that ends with the file _____. This is usually located after the period and is usually three letters long.

12) Common file extensions are: _____ _____ _____ _____ _____.

13) A file's _____ is used by the computer to determine what should happen when the file is double clicked on. If it is an EXE file, it is executed. If it is a PNG file, it will be opened in an image viewing software. If it is a TXT file, it will be opened in a text editor.

14) A file's _____ is dependent on the amount of information that is stored in it. A file containing a few characters will only be a few bytes while a large video file could take up several gigabytes.

15) A _____ is used to uniquely identify a location in a file system by listing out the folder and subfolders to follow to get to that location.

   Example of a path: C:\Program Files\paint.net\Effects

16) The HDD, which stands for _____ _____ _____, is the traditional non-volatile storage for files. This means it can store files even when the power is off.

17) The SSD, which stands for _____ _____ _____, is gradually replacing the hard drive as the non-volatile storage device as it is faster (though more expensive).

FILES IN DIFFERENT OPERATING SYSTEMS

18) The _____ _____ is the main program on a computer that is responsible for running all other applications. It takes care of many tasks such as managing the hardware and memory.

19) Commonly known operating systems include:

_____   _____   _____

_____   _____   _____

20) Commonly known operating systems on mobile devices include:

_____   _____

21) In a computer system, if the HDD or the SSD fails, all _____ are lost.

22) On a Windows computer, _____ _____ is the program that allows you to browse all your files and folders.

23) On a MacOS computer, _____ is the program that allows you to browse all your files and folders.

24) On a Chromebook computer, the _____ application allows you to browse all your files and folders on the internal drive.

25) On a Windows computer, to make File Explorer display the file _____, one must first click on the View tab and then check on "File name extensions".

26) In Windows, the command prompt can be launched by typing in the _____ command. This text-based environment resembles the old DOS operating system and allows you to navigate the file system of the computer.

27) Associate each command prompt command on the left with a description on the right.

a) dir	i) compares two files
b) cd..	ii) creates a directory
c) cd directoryName	iii) changes the current directory
d) mkdir directoryName	iv) sets the current directory to the parent directory
e) assoc	v) shows the current file associations
f) fc	vi) displays a listing of files and subfolders in current directory