GC I Spring 2016 Benchmark #1 Study Guide

digital cameras	light-gathering sensors used to gather images
resolution	dots per inch in an image
flash port	not a digital camera memory card
aluminum oxide battery	not a type of power source
5500 K	standard color temperature reference
flatbed scanners	typically use a set of three PMTs
fluorescent	light source often found in a flatbed
spatial resolution	ability of a digital imaging device to supply the data
studio camera	high- or ultra-high resolution and excellent noninterpolated rendition
facts to remember:	detail is NOT lost when increasing the number of pixels
	moother color graduation comes from of setting a higher bit depth
	NOT all pixels have the same shape
	many types of CCD configuration are located on/in digital cameras
	field cameras are not very portable
	focal length between film and digital cameras differ
	a large amount of power is needed to operate digital cameras
	size of the final image is NOT determined by the size of the LCD screen
	the angles of daylight affect color temperature
	screen ruling is the ruled lines per inch on a halftone screen
	high-resolution images does automatically replace low-resolution (i.e. FPO files)
	artwork must be properly sized and rotated before scanning
analog	film-based cameras
grid	pixels arranged in columns and rows
monitor	used to viewed images on a computer
optical viewfinder	used to to frame the scene before shooting the picture
flash	gives added illumination
scanner	measures the color densities of a color photo
filters	applies special effects to bitmap images
USB	serial and parallel ports
masks	used to isolate an area
buffer	a temporary storage area
hmi	high-intensity flicker-free source of illumination
firewire	high-speed serial bus
bit depth	number of bits used to represent each pixel in the resolution
two	# of screen rulings used in the reproduction of images
tonal resolution	# of bits of color or grayscale
charge-coupled devices	converts light that is reflected from an image
RGB	red, green, and blue
cyan, magenta, yellow, and black	four color separations for print (CMYK)