**Photography Assignment 1- Getting to Know your Camera**

The goal of this module is to introduce you to digital photography. Anyone can take a picture, but not everyone can take a great picture. During this module, you will complete assignments that will teach you how to take better pictures and be more creative with a camera. (Remember to use ctrl + f to find certain words).

Go the <http://electronics.howstuffworks.com/digital-camera.htm> and answer the following questions:

1. List 5 devices (other than cameras) that operate on the same process.(5)
2. Digital cameras convert what into what? (2)

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1. What type of processes do conventional cameras use?(2)

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1. All digital cameras have a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_computer and all of them record images \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. (2)

1. Basically a digital image is a long string of what and what do they represent?(2)

\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. What are pixels? (1)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. The first consumer-oriented digital cameras were sold by and \_\_\_\_\_\_\_\_\_\_ in \_\_\_\_\_\_\_\_\_\_\_. (3)
2. In 1998, Sony inadvertently sold more than \_\_\_\_\_\_\_\_\_\_\_\_\_\_ camcorders with a limited ability to \_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. (2)
3. Instead of film, a digital camera has a sensor that converts\_\_\_\_\_\_\_\_\_\_\_\_\_\_ into electrical charges.(1)
4. What is a CCD and what does it do? (2)

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1. What is a CMOS chip and what does it do? (2)

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1. What is resolution and what is it measured in? (2)

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1. High end consumer cameras capture over \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_pixels. (1)
2. Some professional cameras support over \_\_\_\_ million pixels, or \_\_\_\_ million pixels for large-format cameras. (2)
3. For comparison, Hewlett Packard estimates that the quality of 35mm film is about \_\_\_\_ million pixels. (1)

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