name_____ period_____

CAMERA FLASH NOTES

HISTORIC CONTEXT -BEFORE THERE WAS "FLASH"

Flash Powder

1. Before there were "flashes" on cameras, photographers used alternative sources of light such as _____ powder

Flash Powder Advantages

2) The bright flash allowed photographers to speed up the image making process and to shoot in locations that had been too _____.

Flash Powder Disadvantages

3) The amount of light was _____.

4) Flash powder could also be _____. Sometimes it exploded and burned or blinded the photographer/subject.

HISTORIC CONTEXT

Flash bulbs -invented & popularized in the 1930's.

5) Flash bulbs provided _____ with new opportunities for low-light shooting.

6) Images shot with flash bulbs had a particular "look" characterized by… brightly lit _____ with hard background shadows and dramatic "fall-off" of light around the edges of the frame, making the edges very dark.

Flash Bulb Advantages

7) Flash bulbs were mass produced – making flash photography available to more _____.

8) There was an evolution of flash bulb photography, starting with _____, then flash _____ and finally flash _____.

Flash Bulb Disadvantages

9) Technology still not perfect, the bulbs had _____ flash output

-there was a limited # of flashes per bulb or cube.

-frequent replacement reduced "candid" opportunities.

CURRENT TECHNOLOGY -The modern "Strobe" or "Flash" provided enormous advantages or benefits over previous technology.

Strobe Advantages

10) Consistent & reliable _____.
11) Instantaneous output, allows you to _____ virtually any activity.

Strobe Disadvantages

12) Strobe's burst of light is so _____ that it is impossible to tell what the lighting looks like.
13) Because of this, a _____ light is needed to "see" your lighting.
14) Proper _____ can be tricky.
15) Direct on-camera flash can be really ugly looking, characterized by hard _____ light and hard background _____.

THINGS YOU NEED TO KNOW ABOUT YOUR FLASH
*********FLASH SYNC SHUTTER SPEED**

16. Flash and shutter are "synchronized " via an electrical connection which is called your flash _____ speed.

17. WHEN SHOOTING, YOU CAN USE A SHUTTER SPEED THAT EQUALS YOUR CAMERA'S FLASH SYNC SPEED OR _____
18. SHOOTING _____ THAN CAMERA'S FLASH SYNC SPEED RESULTS IN A BLACK STRIPE ACROSS YOUR IMAGE.

*********FRONT, OR REAR CURTAIN SYNC?**

You have a choice about when the flash fires during your exposure.
19. Most cameras are set to fire the flash at the _____ of your exposure, this is known as _____ curtain sync.
21. Some cameras allow you to change that setting, so that your flash fires at the _____ of the exposure. This is called "_____" curtain sync.
22. You can experiment with your flash and slow shutter speeds. This technique allows the _____ to expose the subject and the slow shutter speed increases the _____ exposure.