

COM1145 – Animation – Assignment #2

There are many different kinds of animation that can be used to tell a story. For the purposes of this assignment we will be looking into 3 different styles. These are traditional or “cel” animation, claymation, and computer animation. Using the internet as a resource answer the questions below about each animation type. /45

Traditional or “cel” Animation

Go to http://en.wikipedia.org/wiki/Traditional_animation and read through the article to answer the following questions.

1) In traditional animation, how does the animator create each frame? /1

2) What is a storyboard? How does it help the animation team with their project? /2

3) What is an animatic? Why is it done before the animation itself? /2

4) How are the majority of the frames created in traditional animation? /1

5) What is pencil testing? Why is it a part of the animation process? /1

6) What is the purpose of the background in traditional animation? /1

7) Explain 'limited animation.' Why is it used on lower budget projects? /2

8) What are animation loops? How do they save work for the animator? /2

9) Live-action hybrids combine both animated footage and live-action. How does this process work? /2

10) What kind of animation has effectively replaced traditional animation today? /1

Claymation

Go to http://en.wikipedia.org/wiki/Clay_animation and read through the article to answer the following questions.

1) Claymation is one of many forms of _____ animation. /1

2) Each animated piece, either character or background, is deformable. /1
What does this mean?

3) How is each frame captured in claymation? /1

4) How is the illusion of movement created using stop-motion animation? /1

5) What two factors are necessary to maintain the illusion of continuity? /2

6) A subvariation of claymation is called “clay melting.” Describe this process. /2

7) Because normal animation runs at 24 frames per second, how many frames are needed in an average 30 minute film? /1

8) What is ‘freeform’ clay animation? /1

9) What does the term ‘hot set’ refer to when shooting claymation? /1

10) Identify four examples of claymation. This list must include one film, one children’s show, and one video game. /4

Computer Animation

Go to http://en.wikipedia.org/wiki/Computer_animation and read the article to answer the following questions.

1) Computer animation or _____ is the process used for generating animated images by using computer graphics. /1

2) Modern computer animation usually uses _____, although _____ are still used for stylistic, low-bandwidth and faster real-time renderings. /2

3) How does computer animation create the illusion of movement? /2

4) How fast do frames have to move to trick the eye and brain into thinking they are seeing a moving object? /1

5) With frame rates above _____ frames/second no improvement in realism or smoothness is perceivable due to the way the eye and brain process images. /1

6) At rates below _____ frames/second most people can detect jerkiness associated with the drawing of new images which detracts from the illusion of realistic movement. /1

7) Why does computer animation demand higher frame rates to force realism? /1

8) Movie film seen in the United States and Canada runs at _____ frames/second. /1

9) What was the first feature-length computer animated film? /1

10) Motion capture is a relatively new form of computer animation. Describe this process and give an example from modern films. /4
