

The Foundations of Motion Pictures & Animations Webquest  
OR- What Science is Behind Movies and Animation

Name \_\_\_\_\_ Period \_\_\_\_\_

Go to our class website at <http://acpathway.weebly.com> and DOWNLOAD the LINKS page for this worksheet— --This will help answer the questions- Assignment is worth 20 points

**1. What is Persistence of Vision?**

**[http://animation.about.com/od/glossaryofterms/g/pervision\\_def.htm](http://animation.about.com/od/glossaryofterms/g/pervision_def.htm)**

**2. What is the PHI Phenomenon?**

**[http://en.wikipedia.org/wiki/Phi\\_phenomenon](http://en.wikipedia.org/wiki/Phi_phenomenon)**

**3. Who was Max Wertheimer?**

**<http://www.psychologyconcepts.com/phi-phenomenon/>**

**4. A Simple Example Of persistence of Vision-**

**<http://daviddefino.blogspot.com/2012/11/a-simple-explanation-of-persistence-of.html>**

**What is the simple explanation of Persistence of Vision they give on this website?**

**What were the images they showed on this website?**

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**What do they mention about FRAMES Per SECOND and early silent films?**

**5. What is FRAMES PER SECOND?**

**[http://en.wikipedia.org/wiki/Frame\\_rate](http://en.wikipedia.org/wiki/Frame_rate)**

**6. What is the professional frame rate for motion pictures?**

**<http://searchnetworking.techtarget.com/definition/frame-rate>  
(scroll down a little to find)**

**7. What is a Phenakistoscope?**

**<http://www.camera-obscura-lucida-shop.com/phen.php>**

**What images do you see on this page that are “moving”?**

**8. What is a zoetrope?**

**<http://en.wikipedia.org/wiki/Zoetrope>**

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**9. Watch this video showing how a Zoetrope works --**

**<http://vimeo.com/97035465> (Move on and come back if you cant make the video work)**

**What is a flip book? How does it work?**

**What are the characters that we see in the PIXAR zoetrope at the end of the video?**

**10. Who was Eadweard Muybridge (1830-1904)? What did he invent? What is he known for? (you will need to scroll down to answer all these questions)**

**<http://www.wildfilmhistory.org/person/180/Eadweard+Muybridge.html>**

**11. The 1st commercial motion picture system was developed by \_\_\_\_\_**

**What inventions were combined to make the “peep-hole kinoscope”?**

**<http://www.kinolorber.com/edison/d1.html>**

**12. Who was [Georges Méliès](#)?**

**He was one of the 1st filmmakers to use WHAT in his filmmaking?**

**[http://en.wikipedia.org/wiki/Georges\\_M%C3%A9li%C3%A8s](http://en.wikipedia.org/wiki/Georges_M%C3%A9li%C3%A8s)**

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