## ****Name**** ****#********Class Period**** ****Date****

## ****Scientific Revolution Webquest****

## ****Section One: New Views of the Universe****

[Website for Section One](http://www.windows.ucar.edu/tour/link=/people/ren_epoch/copernicus.html)  
  
**1.  What was the old (incorrect) Ptolemic view of the universe?**

**2.  Summarize Copernicus’ heliocentric system.**

**Section Two: The New Scientific Method**  
  
[Website for Section Two](http://www.batesville.k12.in.us/physics/PHYNET/AboutScience/Inductive.html)  
  
**1.  What is the real goal of science?**

**2.  Describe the Inductive (Scientific) Method in your own words.**

**Section Three: Newton Pulls it all Together**  
  
[Website for Section Three](http://www.newton.cam.ac.uk/newtlife.html)  
**1. How did Newton picture light (Part II)?**

**2. What is Newton’s definition of gravitation (Part IV)?**

**3. How did Newton view Christianity and God (Part V)?**

## ****Section Four: Other Scientific Advances****

## ****Other Scientific Advances****

[**Vesalius**](http://evolution.berkeley.edu/evolibrary/article/history_02)

1. **What was Vesalius known for and what did he correct?**

[**Boyle**](http://www.britannica.com/EBchecked/topic/76496/Robert-Boyle)

**2.  Boyle was the first prominent scientist to perform \_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_.  Why is this significant to science?**

**3.  Boyle's best known contribution to scientific knowledge is the 1661   publication of this.**

[Harvey](http://www.famousscientists.org/william-harvey/) **4.  What did Harvey research and what did he discover?**

**Historical Figure Resume**

**Directions:** You will choose a famous historical figure from the Scientific Revolution. Then, you will research this person’s life in order to create a biographical resume for this person in which you highlight their achievements.

You can choose from the following scientists;

* Galileo
* Nicolas Copernicus
* Francis Bacon
* Robert Boyle
* Isaac Newton
* William Harvey
* Andreas Vesalius

**Step 1:** Choose the historical figure you wish to use for this project.

* This figure must meet the following minimum requirements:
  + Was a scientist during the Scientific Revolution
  + Made a historical contribution during that era

**Step 2:** Research your historical figure.

* You must have a minimum of 3 valid sources from which you gather your research.
  + The **ONLY ACCEPTABLE INTERNET SOURCES ARE:**
    - College/ School Research Sites
    - Online Encyclopedias (NOT Wikipedia!)
    - Academic related history search engines
    - History.com and biography.com

**Step 3:** Put your research together in the format of a typed formal resume.

* The resume **MUST** contain the categories below
  + **Personal Information:** name, nation in which they lived the majority of their life, birth date, marital status, number of children, etc
  + **Professional Experience:** employment history, employers’ names, locations, years of employment, job descriptions (beginning with the most recent), and any special responsibilities they may have had
    - Whether they were a farmer, union organizer, or public speaker, your historical figure had some kind of job!
  + **Educational Background:** school names and years attended (beginning with most recent date), degrees held, major/minor areas of study
  + **Accomplishments and Awards or Honor:** special successes that your person would have been very proud of, any works that they had published awards and honors received for achievement
  + **References:** names of people with whom your historical figure was closely associated during his/her lifetime and, if at all possible, include a way to contact them (ex: name of their business/organization, city they lived in, etc)
* You should also include a picture of your Scientist at the top of your resume.
* Use the example of Henry Tudor to help you create your resume.

**Henry Tudor**

St. James’s Palace, London, England

**PROFESSIONAL INFORMATION:**

* Henry the Eighth, by the Grace of God, King of England, France and Ireland, Defender of the Faith and of the Church of England and also of Ireland in Earth Supreme Head

**PERSONAL INFORMATION:**

* Born June, 28 1491
* Succeeded father King Henry VII on June 24, 1509
* Marriages:
  + Catherine of Aragon
    - m. 1509 - 1533
  + Anne Boleyn
    - m. 1533 - 1536
  + Jane Seymour
    - m. 1536 - 1537
  + Anne of Cleves
    - m. 1540 Jan. - July
  + Kathryn Howard
    - m. 1540 - 1542
  + Katherine Parr
    - m. 1543 – Present
* Children:
  + Mary Tudor (Mother: Catherine)
  + Elizabeth Tudor (Mother: Anne B.)
  + Edward Tudor (Mother: Jane; heir)

**EDUCATIONAL BACKGROUND:**

* Tutors of the Royal Court, supervised by grandmother, Margaret Beaufort
* Lessons included: languages, grammar, theology, history, rhetoric, logic, philosophy, sports, arithmetic, logic, literature, geometry, music, astronomy, navigation, cartography
* Outdoor Activities: riding, jousting, tennis, archery, hunting, dancing

**ACCOMPLISHMENTS AND AWARDS OR HONORS:**

* Mounted biggest invasions of France since the reign of King Henry V
* Known as the “Father of the English Navy”
* Given the title 'Defender of the Faith' by Pope Leo X
* Led the religious reformation in England and proclaimed ‘Head of the English Church’
* Decreased the power of the nobles and increased the power of Parliament and the monarchy
* A keen musician, composed 'Greensleeves' and 'Helas Madame'
* Speaks English, French, Spanish, Italian German, Latin, & Greek

**REFERENCES:**

* Charles Brandon, Duke of Suffolk, Advisor and Courtier, London
* Thomas Howard, Earl of Surrey and Duke of Norfolk, Courtier and Son-in-law, London
* John Dudley, Duke of Northumberland, Viscount Lisle, Earl of Warwick, Courtier, London
* Margaret Tudor, Queen of Scotland, Sister, Methven Castle, Scotland
* Katherine Parr, Wife, St. James’s Palace

**Name of Historical Figure**

Include the picture of your scientist here.

**Place of Residence**

**PROFESSIONAL INFORMATION:**

* research
* research
* research
* research

**PERSONAL INFORMATION:**

* research
* research
* research
* research

**EDUCATIONAL BACKGROUND:**

* research
* research
* research

**ACCOMPLISHMENTS AND AWARDS OR HONORS:**

* research
* research
* research
* research

**REFERENCES:**

* name, contact info
* name, contact info
* name, contact info