Name:

Ms. Ha

WHaG Hour: 1 2 3 4 6

Date: 11-25-19 Scientific Revolution

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| LETTER | QUESTION | ANSWER |
|  | The Latin word for “to know” | science |
|  | Universal | Applies to everyone |
|  | He believed the Earth was the center of the universe. How long did people believe this his theory? | 1. Ptolemy 2. 1,400 years |
|  | When did the Scientific Revolution begin? | 1500s |
|  | What two places did people look for answers PRIOR (before) the 1500s? | 1. The Bible 2. Greek & Roman philosophers/thinkers |
|  | How many steps are in the scientific method? | Five steps |
|  | Who created the scientific method? | Sir Francis Bacon |
|  | Someone who studies the stars, planets and universe | Astronomer |
|  | What major beliefs did the Catholic Church follow relating to Earth/universe? | 1. Earth did not move 2. Everything was shaped like a perfect circle 3. Planets were perfect |
|  | What did Nicolaus Copernicus discover about the Earth’s moon? | 1. Not smooth, rough 2. Went against Catholic Church |
|  | Who created the first type of mechanical clock? | Christian Huygens |
|  | What were Gabriel Fahrenheit & Anders Celsius known for? | The thermometer |
|  | To speak out against something the Catholic Church does not believe or teach | Heresy |
|  | The individuals who are guilty of heresy are called: | Heretics |
|  | This was the first person to prove Nicolaus Copernicus was correct about everything revolving around the sun. | 1. Johannes Kepler |
|  | The belief the EARTH is the center of the universe | Geocentric Theory |
|  | The belief the SUN is the center of the universe | Heliocentric |
|  | This scientist proved that gravity exists and holds the planets in orbit around the sun | Sir Isaac Newton |
|  | This is the machine that magnifies things so people can look out into the universe | Telescope |
| **LETTER** | **QUESTION** | **ANSWER** |
|  | To help make people understand math better, these four symbols were used. | 1. Addition + 2. Subtraction – 3. Multiplication X 4. Division \*/\* (turn this flat) |
|  | The Catholic Church put him on trial and made him recant his findings or be put to death | Galileo Galilei |
|  | Define gravity | Force that attracts everything together |
|  | He was a genius and wrote a book explaining how the universe was orderly and logical | Sir Isaac Newton |
|  | He claimed the Earth “spun like a top” but others laughed at him and said we would be thrown off. (the people were wrong) | Nicolaus Copernicus |
|  | He studied electricity and proved that if objects rub together, electricity escapes | Benjamin Franklin |
|  | He discovered that the human heart was actually a “pump” that moved or circulated blood throughout the body. What did people believe before then? | 1. William Harvey 2. People thought blood stayed on one place in your body |
|  | This is a tube in the body that blood moves through | Blood Vessel |
|  | He dissected dead people and found that the heart contained no bone as previously thought. | Andreas Vesalius |
|  | Define anatomy | Study of the structure of the human body |
|  | He found that no matter how big or small an item fell, gravity made them fall at the same speed. | Galileo |
|  | He was the “father of experimental science” | Galileo |
|  | To form an educated guess in the scientific method | Hypothesis |
|  | After gathering and analyzing of your data, you determine this\_\_ (the scientific method) | Conclusion: summary of your findings. Either proves or disproves your hypothesis |
|  | The actual “testing” of your scientific method | Experiment |
|  | During your experiment, you watch and collect data. This is \_\_\_\_ in the scientific method | Observation |
|  | This was the second man to prove that Copernicus was correct, the sun is the center of the universe | Galileo |
|  | This states that in science, there are patterns | Scientific Law |
|  | He is considered the “father of human anatomy” | Andreas Vesalius |