HPS - History of Astronomy Notes Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Objective 1: Explain the evolution of astronomical theories due to changing technologies and methods.

Timeline Directions: Use the Objective 1 PowerPoint (***video clips embedded***) to create a timeline with the following scientists:

Hipparchus, Ptolemy, Copernicus, Brahe, Kepler, Galileo, Newton, Hubble, Penzias & Wilson

|  |  |  |
| --- | --- | --- |
| DATE | LOCATION | SCIENTIST/EVENT |
| ~130 B.C. | Greece |  |
| 140 B.C. | Greece |  |
| 1543 A.D. | Poland |  |
| 1572 A.D. | Denmark |  |
| 1609 A.D. | Germany |  |
| 1609 A.D. | Italy |  |
| 1668 A.D.1687 A.D. | England |  |
| 1929 A.D. | USA |  |
| 1964 A.D. | USA |  |

Key Term Directions: For each of the following terms, write the definition and insert an image. You may use the Objective 1 PowerPoint, Ch 28.1 in your Geoscience textbook, and Google.

|  |  |  |
| --- | --- | --- |
| Key Term | Definition | Image |
| Geocentric |  |  |
| Heliocentric |  |  |
| Sextant |  |  |
| Parallax |  |  |
| Retrograde motion |  |  |
| Refracting telescope |  |  |
| Reflecting telescope |  |  |
| Space-based telescope |  |  |
| Telescope at different wavelengths |  |  |
| Spectroscopy |  |  |
| Space probes |  |  |