

Note-taking Worksheet (continued)

- E. _____—use of scientific discoveries for practical purposes such as making pottery or extracting metals from rocks
1. Technology is _____, meaning it can be applied to new situations.
 2. Earth scientists and biologists use information from _____ to gather weather data and track animals.

Section 2 Scientific Enterprise

- A. Early people believed mythological _____ were responsible for natural phenomena such as weather or seasons.
1. Early civilizations used observations of recurring natural events like floods and the appearance of stars to create _____.
 2. Civilizations advanced to the use of _____ to measure things observed and developed a scientific approach for testing inferences, or conclusions.
- B. _____, the study of weather, is a science developed over time.
1. A _____, used as early as 321 B.C., was probably the first weather instrument; in the late 1600s, Italian scientists developed the barometer, thermometer, hygrometer, and anemometer.
 2. Benjamin Franklin was the first American to suggest that weather could be _____.
 - a. By 1849, volunteer weather observers were telegraphing information to the _____.
 - b. In 1850, the secretary of the Smithsonian Institution began drawing weather _____.
 3. The U.S. Weather Bureau was formed and functioning by the late 1800s and was renamed the _____ in 1970 when it became part of the National _____ and Atmosphere Administration (NOAA).