

The Scientific Method

Name: _____

Date: _____

Directions: On each line, write the term from the word bank that correctly replaces the underlined words

critical thinking
science

hyphothesis
scientific law

inference
scientific theory

observation
technology

prediction

_____ 1. The investigation and exploration of natural events and of the new information that results from those investigations

_____ 2. Rules that describe repeatable patterns in nature work under specific conditions in nature

_____ 3. Using wind tunnels to make bicycles more aerodynamic is an example of the practical use of scientic knowledge

_____ 4. An explanation of observations based on knowledge from many observations and investigations will never become a law

_____ 5. Rob saw an advertisement for a household tool that would chop, slice, cook, clean, and sew. Using a comparison of what he already knew with the information in the advertisement, he knew this product was too good to be true

_____ 6. Through the use of more than one of her senses and noting what occured. Anika was able to think of questions she could use to begin a scientific investigation

_____ 7. A conclusion is a summary of the information gained from testing the possible explanation for an observation

_____ 8. After making an observation and a logical explanation drawn from prior knowledge, the next step in a scientific investigation is to develop a hypothesis

_____ 9. Scientists make statements of what will happen next in a sequence of events based on information they think they will find when they test their hypotheses