

# Scientific Inquiry

## Link Scientific Inquiry Reading

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

NOTE: You might need to change a term to its plural form.

critical thinking

hypothesis

inference

observation

prediction

science

scientific law

scientific theory

technology

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 scientific knowledge.
4. A(n) 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 occurred, 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(n) 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.