Scientific Inquiry

Link Scientic 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.