

## ***"The Case of Combustion" Questions***

***Answer after reading Pg. 302 - 303, "The Case of Combustion."***

1. A theory is useful as long as it can help explain new scientific evidence. Describe how the phlogiston theory was at first supported by new findings but later abandoned in favor of a new theory.
2. Describe what Rutherford named "phlogisticated air" and what Priestley called "dephlogisticated air."
3. Discuss the results of the experiment that Daniel Rutherford performed in 1772 in terms of what is known today.
4. What did Lavoisier observe when he burned a known mass of tin in a closed container and then opened the container? Discuss how this finding was critical in destroying the phlogiston theory.
5. Do you suppose that the new theory proposed by Lavoisier was immediately adopted by other scientists? Why or why not?