

CHAPTER 5	Thought Lab 5.3: The Effects of Metabolic Toxins on Cellular Respiration Answer Key	BLM 5.3.5A
ANSWER KEY		

Answers to Analysis Questions

1. Antimycin, cyanide, hydrogen sulfide, malonate, and rotenone are electron transport system inhibitors. Oligomycin is a phosphorylation inhibitor. Arsenic is a Krebs cycle inhibitor.
2.
 - a), b) You may benefit from first deciding what the terms accuracy, validity, and reliability mean.
 - c) You should appreciate that consulting many resources (e.g., medical journals, encyclopedias, government health publications) adds to greater confidence in the information that you discover.
 - d) Both print and electronic sources can provide valid, reliable information. For either, it is necessary to consider the source of the information (i.e., articles from refereed journals are more reliable than magazine articles), the age of the material (i.e., print material may not be as recent as electronic).
 - e) While four such resources might often be sufficient for providing accurate and reliable information, you should also realize that discrepancies among these resources require further additional research, either to verify a given fact or to more fully represent the nature of a given discrepancy.