

Sample Academic Research Log – Grade 10 Example

Student Name	Grade 10 Sample Student
Course / Teacher	Science 10
Grade Level	10
Inquiry Question	How have genetic experiments attempted to slow, stop, or reverse aging in animals?

Source Entry #1

Source Citation (APA or MLA)	Sinclair, D. A., & LaPlante, M. (2019). <i>Lifespan: Why We Age—and Why We Don't Have To</i> . Atria Books.
Source Type (peer-reviewed, academic book, government, etc.)	Academic book (based on peer-reviewed research)
Purpose of the Source	This source explains biological aging and summarizes genetic experiments related to aging and longevity.
Key Facts / Findings	<ul style="list-style-type: none"> • Aging is influenced by gene regulation • Certain genes affect cell repair • Experiments in mice showed lifespan extension
Important Quotes with Page Numbers	"Aging is a reversible process driven by loss of information." (Chapter 4)
Keywords Identified (with Copilot support)	gene expression; DNA repair; epigenetics; longevity; cellular aging
Student Justification: Why These Keywords Matter	These keywords focus my research on genetic mechanisms rather than lifestyle factors and help locate similar academic studies.
Connections to Other Sources	This source connects to other studies that discuss epigenetics and gene regulation in aging research.
How This Source Supports My Inquiry	I will use this source as background information and expert explanation of genetic aging theories.
Reflection on Copilot's Role	Copilot helped identify keywords and summarize ideas, but I decided which information best fit my inquiry.