

Vocabulary Chart for “Immortal Cells, Enduring Issues”

Word	Part of Speech	My Definition	Synonyms, Antonyms, and Similar Words (Word Family)	Source Sentence
<i>Culture</i>	<i>verb</i>	<i>Growing an organism, like a bacteria, cells, or tissue in a laboratory.</i>	<i>Grow, reproduce, clone, develop Kill, synthesize, Cultivation, culturing, horticulture,</i>	<i>By 1951, Gey was nearly 30 years into a quest to <u>culture</u> “immortal” cell lines: human cells that would reproduce endlessly in test tubes to provide a steady supply of cells for medical research.</i>
<i>Enduring</i>	<i>adjective</i>	<i>Lasting a long time</i>	<i>Lasting, Persistent, Legacy, On going Brief, Short time, Peter out, Dwindling Endured, Endures</i>	<i>“Immortal Cells, <u>Enduring</u> Issues”</i>
<i>Entitled</i>	<i>verb</i>	<i>To give someone something they have a right to.</i>	<i>Due, Right, Owed, Deserving, Claim Undeserving, No claim, Refuse Entitle, Entitles</i>	<i>They believe that someone somewhere is making a lot of money off of drugs and biological products that were developed using pieces of tissue from people who now are <u>entitled</u> to a piece of the profits.</i>

<i>Harbors</i>	<i>verb</i>	<i>To hold on to an idea</i>	<i>Has, Holds,</i> <i>Doesn't Have, Rejects</i> <i>Harboring, Harbored,</i>	<i>A significant segment of the public <u>harbors</u> a deeply rooted mistrust of medical research.</i>
Word	Part of Speech	My Definition	Synonyms, Antonyms, and Similar Words (Word Family)	Source Sentence
<i>malignancies</i>	<i>noun</i>	<i>A cancerous growth</i>	<i>Growth, cancer, tumor</i> <i>Benign, harmless</i> <i>Malignant</i>	<i>The autopsy was of a woman who had died at 31 from the metastasized cervical cancer that had so ravaged her there was scarcely an organ in her body not riddled with malignancies.</i>
<i>metastasized</i>	<i>adjective</i>	<i>A cancer that is spreading to other parts of the body.</i>	<i>Spreading, growing</i> <i>Contained, reduce</i>	<i>The autopsy was of a woman who had died at 31 from the metastasized cervical cancer that had so ravaged her there was scarcely an organ in her body not riddled with malignancies</i>

Robust	adjective	Describes a strong person or thing.	Healthy, Strong Weak, Barely living Robust,	They now live by the uncountable trillions in laboratories and the inventories of biologics companies throughout the world, still <u>robust</u> after 60 years and perfect for all sorts of research.
Skepticism	noun	A belief that ideas are assumed to be untrue or self-serving	Doubtful, Cynical Believing, naive Skeptic, skeptical,	The Immortal Life of Henrietta Lacks speaks to that <u>skepticism</u> , and above all is the vivid testament of how the Lackses feel they've been treated by physicians, researchers, journalists, and corporations.

Summarize the Text: Using your newly acquired vocabulary, read the article again and then write a brief summary of the article.

Topic Sentence: In *“Immortal Cells, Enduring Issues”* (title of article) by __Dale Keiger__ (author) the issues surrounding *using human cells for research* (subject of article) are explored. He mainly argues that *patients must provide informed consent for their cells to be used in research and that a mistrust between the medical field and patients has been created when research subjects are not acknowledged for their contributions*.

Supporting Detail: *Keiger writes about how patients are already leery of doctors because they often speak in jargon and have a history of using human tissue for research and for profit.*

Explanation: This mistrust that has built up between people and doctors, Keiger, has happened because doctors thought they were doing research for the greater good.

Supporting Detail: An example of that mistrust was given when Keiger explained a lawsuit brought by Hopi Indians, where the people claim that scientists collected blood samples for one study but then used those same samples again in another study without permission.

Explanation: This and other examples of the violation of trust has created an ethical dilemma for researchers.

Conclusion: No one wants researchers to stop finding cures, and although some would like financial compensation, the issues of privacy and acknowledgement are still unsettled. As science advances these issues promise to become more and more complicated.