

Name: _____ Date: _____

Answer Key: Will You Survive Peer Review? Advanced Research Skills for College Scholars

Synthesize complex source hierarchies and master the nuances of Chicago and CSE citation styles across 10 high-level challenges in scholarly ethics.

1. When applying the 'CRAAP' test or SIFT method to a pre-print article on a repository like arXiv, which factor most critically necessitates cautious synthesis in a literature review?

Answer: A) The lack of formal peer review and potential for uncorrected statistical errors.

Pre-prints are preliminary reports that have not undergone the independent verification of peer review, making their conclusions tentative rather than established academic fact.

2. In the Chicago Manual of Style (Notes and Bibliography system), the first time you cite a source in a footnote, you provide full details; however, subsequent consecutive citations of the same source should ideally use _____.

Answer: B) A shortened note (Author, Title fragment, page number)

While 'Ibid.' was historically used for consecutive citations, CMS 17th edition now prefers shortened notes to improve clarity and discourage the use of Latin abbreviations.

3. True or False: Under the 'Fair Use' doctrine, a researcher can reproduce a substantial portion of a copyrighted dataset or longitudinal study without permission, provided they include a full citation.

Answer: B) False

Citation does not negate copyright infringement; 'Fair Use' depends on the purpose, nature, amount used, and market effect. Substantial reproduction usually requires formal permission.

4. You are synthesizing findings from three disparate studies on urban heat islands. To avoid 'patchwork plagiarism' during synthesis, you must:

Answer: C) Integrate the data into a new analytical framework using your own voice and structure.

Synthesis requires the researcher to create a new, original narrative or argument that connects the sources, rather than just reassembling the authors' original phrasing.

5. When utilizing the Council of Science Editors (CSE) Name-Year system, if you are citing a study by more than _____ authors, you should use 'et al.' in the in-text citation.

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Answer: A) Two

In CSE Name-Year style, works by three or more authors are shortened to the first author's name followed by 'et al.' in the text.

6. Evaluating 'Horizontal Evaluation' is a sophisticated research technique. Which action best exemplifies this?

Answer: B) Opening multiple tabs to see what other independent authorities say about the claimant.

Lateral reading (or horizontal evaluation) involves leaving the original site to verify its claims through external, trusted stakeholders.

7. True or False: In a systematic literature review, 'Grey Literature' (such as white papers or conference proceedings) should be excluded to maintain the highest level of empirical rigor.

Answer: B) False

Grey literature is often included in systematic reviews to mitigate publication bias, as it may contain relevant data not found in commercially published journals.

8. If you are citing a primary source that you found quoted within a secondary source (an 'indirect source'), the correct ethical practice is to _____.

Answer: B) Track down and read the primary source yourself to cite it directly.

Scholarly integrity demands that researchers attempt to locate the original source to ensure the context hasn't been misrepresented by the secondary author.

9. Which of the following describes the 'Salami Slicing' (Least Publishable Unit) ethical violation in research?

Answer: B) Breaking a single large study into multiple small papers to artificially inflate a CV.

Salami slicing is an unethical practice where researchers over-fragment data to increase their publication count, distorting the scientific record.

10. True or False: A 'DOI' (Digital Object Identifier) is considered more stable and reliable than a URL in a permanent reference list.

Answer: A) True

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DOIs are persistent identifiers managed by central registries, ensuring the link remains functional even if the journal's website or URL changes.