Chemistry and the Library - *page 1 of 3*

Finding, Evaluating, and Using Scholarly Literature for your Class Presentation

Name:
Include first and last name

Part 1 – Can you find an article if you are given the citation?

Below are two citations to articles found in the MHCC library database (here is the chemistry specific library site, **http://mhchem.org/libchem**). If you are off-campus, you will see a log-in page that asks you for your last name, MHCC ID number, and your PIN. (The default PIN is your 10-digit phone number, including the dashes.) If a username and password are required, use your MyMHCC Portal credentials.

Select "Subject Databases" to see the Databases offered by the MHCC library. Locate the full-text (no-cost) copies of the 2 articles using the MHCC library databases and answer the following questions. If you've never used the library databases before, you may want to watch this videotaped Zoom session with a MHCC librarian.

Article #1:

Khcharem, A., Souissi, M., Atheymen, R., Ben Mahmoud, L., & Sahnoun, Z. (2022). Effects of caffeine ingestion on 8-km run performance and cognitive function after 26 hours of sleep deprivation. *Biological Rhythm Research, 53(6)*, 867–877. https://doi.org/10.1080/09291016.2020.1778975

Article #2:

Popova, M. B., Kazinskaya, I. E., Myasnikov, I. Y., & Novikov, A. P. (2026). Speciation and Bioaccumulation of Neptunium and Plutonium in Floodplain Soils and Sediments. *Radiochemistry*, *68(1)*, 69–79. https://doi.org/10.1134/S1066362226010091

1. For Article #1
   - **a.** Which database from the library did you use? (For example, Academic Search Complete, Access Science or EBSCOhost)

   - b. Write the first sentence from the Abstract of this article.

2. For Article #2
   - a. Which database from the library did you use?

   - b. Write the first sentence from the Abstract of this article.

<u>Part 2 – Evaluating academic literature for value to your presentation.</u>

In Chemistry 222, students complete a class presentation on an compound.

List the compound you chose for your class presentation: _____

Using the library's resources (*<u>not</u> Google, Bing, etc.*), find 2 full peer-reviewed articles that discuss research on or using your chosen compound that was published between 2010 and the present. For each source, s state the **title** of the article, the **database** used and provide a **full citation** (APA format) for each article. If you google "APA citation generators", you will discover websites that will do all the work and generate the citation for you. In addition, if you are searching within the MHCC library databases, there is a citation tool that you can use to format your references. Also, **view page xix-7 below for a simple APA format overview for journal articles**.

1. Article 1 Title:
    a. Database used:

    b. Citation:

2. Article 2 Title:
    a. Database used:

    b. Citation:

Part 3 – Finding non-research or popular press resources.

In addition to peer-reviewed journal articles, some reputable science magazines in publication discuss topics in a language more suitable for the general public (i.e. – Science, Scientific America, Popular Science, Science News, New Scientist, Chemical Engineering News). Use the MHCC library or internet to find **two** sources from non-research journals with information about the compound you chose in Part 2. I recommend using the "Popular Magazines (Gale OneFile)" search engine (located under "General Databases"). Also, **view page xix-7 below for a simple APA format overview for magazine articles**.

1. Article 1 Title:
    a. How and where did you find this article?

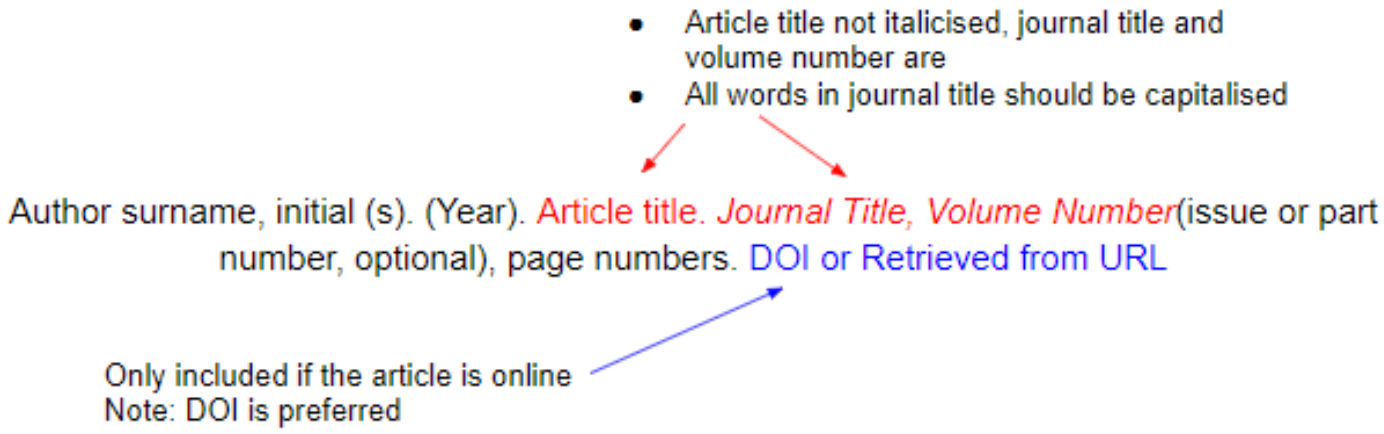
    b. Provide a full citation (APA format):

2. Article 2 Title:
    a. How and where did you find this article?

    b. Provide a full citation (APA format).

How to Cite a Journal Article (Print or Online) in APA Format

Articles differ from book citations in that the publisher and publisher location are not included. For journal articles, these are replaced with the journal title, volume number, issue number and page number. A **DOI** is a "**D**igital **O**nline **I**dentifier" and should be included if available. The basic structure is:



Journal Article Examples:

Mitchell, J.A. (2017). Citation: Why is it so important. *Mendeley Journal, 67*(2), 81-95

Mitchell, J.A. (2017). Citation: Why is it so important. *Mendeley Journal, 67*(2), 81-95. Retrieved from https://www.mendeley.com/reference-management/reference-manager

Mitchell, J.A. (2017). Citation: Why is it so important. *Mendeley Journal, 67*(2), 81-95. https://doi.org/10.1111/hex.12487

How to Cite Magazine Articles (Print or Online) in APA Format

The basic structure is as follows:

Author surname, initial(s). (Year, month day). Title. *Title of the Magazine*, pp.

Magazine Article Example:

Mitchell, J.A. (2017). How citation changed the research world. *The Mendeley*, pp. 26-28

For more information on citations, see the **Class Presentations Citation Guide**: **http://mhchem.org/cg**