



Standard answer Tutorial (TD) N° 03: Citation of References in Text

Summary of Exercise Goals

These exercises help students:

1. Differentiate between Harvard and Vancouver styles.
2. Practice paraphrasing and quoting.
3. Cite multiple sources accurately.
4. Develop confidence in applying citation styles in academic writing.
5. Citing multiple sources by different authors.
6. Citing multiple works by the same author in different years.
7. Combining citations from both same and different authors on related topics.

Differentiating Between Harvard and Vancouver Styles

1. Structure of In-Text Citations

- **Harvard Style:**
 - Uses the *author-date* format.
 - The author's last name and the year of publication are placed directly in the text, with a page number if a direct quote or specific detail is referenced.
 - **Example:** (Smith, 2020) or Smith (2020) mentions that biodiversity is essential.
- **Vancouver Style:**
 - Uses *numbered citations* in the order they appear in the text.
 - Each source is assigned a unique number, which corresponds to a full reference in the list of references at the end.
 - **Example:** Biodiversity is essential [1] or Smith argues that biodiversity is essential [1].

2. Use Cases in general

- **Harvard Style:**
 - Common in social sciences and humanities.
 - Emphasizes authorship and publication date, making it easy to see when the research was conducted.
- **Vancouver Style:**
 - Common in medical, biological, and technical fields.
 - Efficient for texts with numerous citations, as numbers save space and simplify reading.

3. Tips for Remembering the Difference

- Harvard Style = *Author-Date* format.
- Vancouver Style = *Numbered* format.
-

Exercise 1: Basic Harvard Style Citation

Cite the following statements in Harvard style using the information provided, and write each statement as if you were citing it in an academic paper.

1. A study on plant biodiversity emphasizes that diverse ecosystems are more resilient to environmental changes.
 - **Source 1:** Author: Williams, R., Year: 2019, Title: *Plant Biodiversity and Ecosystem Resilience*, Journal: *Ecology Today*, Page: 45.
2. Another research states that photosynthesis efficiency decreases with rising temperatures.
 - **Source 2:** Author: Chen, Y., Year: 2020, Title: *Climate Change and Photosynthesis*, Book: *Plant Physiology in Changing Climates*, Page: 32.

Corrected Answers:

1. Harvard Style:

- According to Williams (2019), diverse ecosystems are more resilient to environmental changes.
- A study on plant biodiversity emphasizes that diverse ecosystems are more resilient to environmental changes (Williams, 2019).

2. Harvard Style:

- Chen (2020) suggests that photosynthesis efficiency decreases with rising temperatures.
- Another research states that photosynthesis efficiency decreases with rising temperatures (Chen, 2020).

Exercise 2: Basic Vancouver Style Citation

Rewrite each sentence below using Vancouver style citation.

1. Research on cell metabolism shows that higher glucose levels can affect cell function.
 - **Source 3 :** Author: Johnson, T., Year: 2021, Title: *Cell Metabolism*, Journal: *Journal of Biological Studies*, Page: 150.
2. Another study highlights that protein synthesis rates vary with cell type.
 - **Source 4:** Author: Adams, K., Year: 2022, Title: *Protein Synthesis in Cells*, Journal: *Biochemistry Research Journal*, Page: 88.

Corrected Answers:

1. Vancouver Style:

- Research shows that higher glucose levels can affect cell function [3].

- According to Johnson [3], the research shows that higher glucose levels can affect cell function

2. **Vancouver Style:**

- Protein synthesis rates vary with cell type [4].
- Adams [4] states that protein synthesis rates vary depending on cell type

Exercise 3: Paraphrasing with Harvard and Vancouver Style

Paraphrase the following information and cite it using both Harvard and Vancouver styles.

Statement: "Water scarcity has become an increasing challenge in arid regions due to climate change impacts."

- **Source 5:** Author: Green, S., Year: 2020, Title: *Climate Change and Water Resources*, Journal: *Environmental Science Journal*, Page: 23.

Corrected Answers:

1. **Harvard Style:** Green (2020) discusses that climate change has exacerbated water scarcity in arid regions.
2. **Vancouver Style:** Climate change has worsened water scarcity in arid regions [5].

Exercise 4: Direct Quotations with Harvard and Vancouver Style

Use a direct quotation in the text and cite it using both Harvard and Vancouver styles.

Statement: The author states, "Biodiversity loss is one of the greatest threats to ecosystem health."

- **Source 6:** Author: Brown, P., Year: 2019, Title: *Biodiversity and Ecosystem Health*, Journal: *Ecology and Evolution*, Page: 120.

Corrected Answers:

1. **Harvard Style:** Brown (2019) claims, "Biodiversity loss is one of the greatest threats to ecosystem health."
 2. **Vancouver Style:** "Biodiversity loss is one of the greatest threats to ecosystem health" [6].
-

Exercise 5: Citing a Source with More Than Three Authors

Cite this source with both Harvard and Vancouver styles.

Statement:

1. A recent study on genetic diversity indicates that variations within species help prevent diseases.

- **Source 7:** Authors: Smith, T., Brown, R., Chen, L., and Davis, M., Year: 2021, Title: *Genetic Diversity in Populations*, Journal: *Journal of Genetics*, Page: 34.

Corrected Answers:

- **Harvard Style:**

- Smith et al. (2021) found that genetic diversity within species can help prevent diseases.
- A recent study on genetic diversity indicates that variations within species help prevent diseases (Smith et al. 2021).

- **Vancouver Style:** Genetic diversity within species can help prevent diseases [7].

Exercise 6: Citing Multiple Sources

Rewrite the sentence below by citing both sources in Harvard and Vancouver styles.

Statement: Research shows that invasive species can alter ecosystem balance, and nutrient cycles are often disrupted by their presence.

- **Source 8:** Author: Smith, J., Year: 2018, Title: *Invasive Species and Ecosystems*, Journal: *Journal of Ecology*, Page: 60.
- **Source 9:** Author: Lee, K., Year: 2019, Title: *Ecosystem Nutrient Cycles*, Journal: *Environmental Studies*, Page: 102

Corrected Answers:

1. Harvard Style:

- Research has shown that invasive species can alter ecosystem balance (Smith, 2018) and disrupt nutrient cycles (Lee, 2019).
- Research has shown that invasive species can alter ecosystem balance, and disrupt nutrient cycles (Smith, 2018; Lee, 2019).



2. **Vancouver Style:** Invasive species can alter ecosystem balance and disrupt nutrient cycles [8,9].
-

Exercise 7: Citing the Same Author with Different Sources

Rewrite the following sentences using Harvard and Vancouver styles to cite multiple works by the same author.

Statements 01: Research covers two critical areas: forest conservation and urban biodiversity.

- **Source 10:** Author: Smith, J., Year: 2017, Title: *Forest Conservation Strategies*, Journal: *Environmental Journal*, Page: 12.
- **Source 11:** Author: Smith, J., Year: 2019, Title: *Urban Biodiversity and Ecosystem Services*, Journal: *Ecology Review*, Page: 34.

Statements 02: The enzyme complexes were produced using *Aspergillus niger* strain BG and *Trichoderma afroharzianum* isolate AZ 12, isolated from a forest plot dotted with olive trees in the IGHAM region of Akbou, Bejaia, in north-eastern Algeria.

- **Source 12:** Azzouz, Z., Bettache, A., Djinni, I., Boucherba, N., Benallaoua, S., 2020. Biotechnological production and statistical optimization of fungal xylanase by bioconversion of the lignocellulosic biomass residues in solid-state fermentation. *Biomass Convers. Biorefinery* 1–13.
- **Source 13 ;** Azzouz, Z., Bettache, A., Boucherba, N., Amghar, Z., Benallaoua, S., 2020. Optimization of xylanase production by newly isolated strain *Trichoderma afroharzianum* isolate az 12 in solid state fermentation using response surface methodology. *Cellul. Chem. Technol.* 54, 451–462.

Corrected Answers:

Statements 01:

✓ **Harvard Style:**

Smith's research includes forest conservation and urban biodiversity (Smith, 2017, 2019).

✓ **Vancouver Style:**

Smith has studied both forest conservation and urban biodiversity [10, 11].

Statements 02:

✓ **Harvard Style:**

The enzyme complexes were produced using *Aspergillus niger* strain BG and *Trichoderma afroharzianum* isolate AZ 12, isolated from a forest plot dotted with olive trees in the IGHRAM region of Akbou, Bejaia, in north-eastern Algeria (**Azzouz et al, 2020a, 2020b**).

✓ **Vancouver Style:** The enzyme complexes were produced using *Aspergillus niger* strain BG and *Trichoderma afroharzianum* isolate AZ 12, isolated from a forest plot dotted with olive trees in the IGHRAM region of Akbou, Bejaia, in north-eastern Algeria [12, 13].

Exercise 8: Combining Multiple Citations by the Same and Different Authors

Write one version with Harvard style and another with Vancouver style, ensuring all sources are properly included.

Statement 01: Recent studies by Wilson and others demonstrate the impact of climate change on marine biodiversity, while additional work by Lopez confirms similar trends.

- **Source 14:** Author: Wilson, T., Year: 2018, Title: *Climate Change and Marine Life*, Journal: *Marine Biology*, Page: 22.
- **Source 15:** Author: Wilson, T., Year: 2020, Title: *Impact of Rising Temperatures on Ocean Species*, Book: *Climate Impacts on Ecosystems*, Page: 45.
- **Source 16:** Author: Lopez, R., Year: 2019, Title: *Global Warming Effects on Ocean Biodiversity*, Journal: *Environmental Change*, Page: 33.

Statement 02: Studies highlight that climate adaptation and water conservation are key strategies to address environmental challenges.

- **Source 17:** Author: Green, S. and Clark, A., Year: 2020, Title: *Climate Adaptation Methods*, Journal: *Environmental Policy Journal*, Page: 101.
- **Source 18:** Author: Green, S., Year: 2019, Title: *Water Conservation Techniques*, Journal: *Water Resources Review*, Page: 58.
- **Source 19:** Author: Thompson, B., Year: 2021, Title: *Environmental Challenges*, Journal: *Sustainable Development*, Page: 200.

Corrected Answers:**Statement 01:**

1. **Harvard Style:** Studies indicate that climate change significantly impacts marine biodiversity (Wilson, 2018, 2020; Lopez, 2019).
2. **Vancouver Style:** Climate change has significant effects on marine biodiversity [14–16].



Statement 02:

1. Harvard Style:

- Green and Clark (2020) and Green (2019) suggest that climate adaptation and water conservation are essential strategies, as also noted by Thompson (2021).
- Studies highlight that climate adaptation and water conservation are key strategies to address environmental challenges (Green and Clark ,2020; Green, 2019; Thompson 2021).

2. Vancouver Style:

Climate adaptation and water conservation are essential strategies to address environmental challenges [17–19].
