# GENE 101 · AI Search Skills Assessment Post-Assessment (Week 3)

**Name:** **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**\_ **Date:** **\_\_\_\_\_\_\_\_\_\_\_** **Section:** **\_\_\_\_\_\_\_**

### **Instructions**

* This assessment has the same questions 1-5 as last week.
* Answer all questions honestly based on what you know now.
* Questions 6-8 are different from last week.

### **1. Keywords in "Search All" (4 points)**

**Topic:** You need to use the library "Search All" feature to research for a short paper about how the new Al‑Zour oil refinery creates jobs in Kuwait.

**Question:** Which keyword combinations will give good search results in "Search All"?  
*Mark all correct answers - more than one may be right.*

□ A. Al‑Zour AND employment  
□ B. Kuwait refinery jobs  
□ C. oil AND employment  
□ D. jobs Middle East

### **2. AI Tool Prompts (4 points)**

**Situation:** You are using Perplexity AI. You need research articles about coral reef damage after the 1991 Gulf War. These articles should be peer-reviewed (checked by experts).

**Question:** Which prompts will work best?  
*Mark all correct answers - more than one may be right.*

□ A. Find peer-reviewed journal articles about coral reef damage in Kuwait after 1991  
□ B. Give me websites about coral reefs  
□ C. Show scholarly sources on the Gulf War environmental impact on coral reefs  
□ D. Any links on coral reef problems?

### **3. Checking Journal Quality (5 points)**

**Situation:** You found an article from the "International Journal of Business and Management Research." You want to check if this journal is good quality or possibly predatory (low quality).

**Question:** Which checks help you decide if the journal is good quality?  
*Mark all correct answers - more than one may be right.*

□ A. Look for the journal in DOAJ (Directory of Open Access Journals)  
□ B. See if the journal asks authors to pay a fee (APC)  
□ C. Verify the journal's 2024 Impact Factor  
□ D. Trust the article because it has many Google Scholar citations  
□ E. Verify who the members of the editorial board are

### **4. Understanding Search Results: Perplexity (5 points)**

**Situation:** You searched Perplexity for "women-owned small-medium enterprises (SMEs) Kuwait peer-reviewed".

A screenshot of a website

AI-generated content may be incorrect.

***Screenshot from Perplexity***

**Question:** Which details show the result may NOT be about Kuwait?  
*Mark all correct answers - more than one may be right.*

□ A. The title says "Indonesia"  
□ B. The result summary mentions "Indonesia"  
□ C. The link is from semanticscholar.org  
□ D. The result number is "1"  
□ E. The search box shows the words "peer-reviewed"

### **5. Understanding Search Results: Library Catalog (5 points)**

**Situation:** You searched the library catalog for "desalination plants AND environmental impact AND Kuwait".

*A screenshot of a computer

AI-generated content may be incorrect.*

***Screenshot from Search All***

**Question:** Which details show the article IS about the Gulf region?  
*Mark all correct answers - more than one may be right.*

* A. Subject Terms: Kuwait
* B. Subject: Seawater desalination
* C. Title: Environmental and economic analysis for desalinating seawater of high salinity using reverse osmosis: a life cycle assessment approach
* D. Publication year: 2022
* E. Abstract: Kuwait is mentioned

### **6. Confidence Self-Assessment (After Learning)**

**Instructions:** Circle your level for each statement.

* 1 = Strongly Disagree
* 2 = Disagree
* 3 = Agree
* 4 = Strongly Agree

1. Now I feel confident I can write clear keywords for my topic.  
   1 ⚪ 2 ⚪ 3 ⚪ 4 ⚪
2. Now I feel confident I can use an AI tool to find peer-reviewed articles.  
   1 ⚪ 2 ⚪ 3 ⚪ 4 ⚪
3. Now I feel confident I can tell if a journal is predatory (low quality).  
   1 ⚪ 2 ⚪ 3 ⚪ 4 ⚪
4. Now I feel confident I know the main limitations of AI search tools.  
   1 ⚪ 2 ⚪ 3 ⚪ 4 ⚪

### **7. Satisfaction with AI Search Lesson**

**Question:** How satisfied are you with last week's AI search lesson?

**Instructions:** Circle one number.

* 1 = Not at all satisfied
* 2 = Slightly satisfied
* 3 = Moderately satisfied
* 4 = Very satisfied
* 5 = Extremely satisfied

1 ⚪ 2 ⚪ 3 ⚪ 4 ⚪ 5 ⚪

### **8. Final Reflection**

**Question:** What was the most useful thing you learned about using AI for research?

*Write at least 20 words below:*

## Answer Key and Scoring Guide

### Correct Answers

1. Keywords in "Search All": **A, B**
2. AI Tool Prompts: **A, C**
3. Checking Journal Quality: **A, B, C, E**
4. Understanding Search Results (Perplexity): **A, B**
5. Understanding Search Results (Library Catalog): **A, E**

### Weighted Scoring System

#### *Question 1 (2 correct answers: A, B)*

* Both correct answers marked, no incorrect: **4 points**
* 1 correct answer marked, no incorrect: **2 points**
* Any incorrect answer marked: **-1 point per incorrect** (minimum 0)

#### *Question 2 (2 correct answers: A, C)*

* Both correct answers marked, no incorrect: **4 points**
* 1 correct answer marked, no incorrect: **2 points**
* Any incorrect answer marked: **-1 point per incorrect** (minimum 0)

#### *Question 3 (4 correct answers: A, B, C, E)*

* All 4 correct answers marked, no incorrect: **5 points**
* 3 correct answers marked, no incorrect: **4 points**
* 2 correct answers marked, no incorrect: **3 points**
* 1 correct answer marked, no incorrect: **1 point**
* Any incorrect answer marked: **-1 point per incorrect** (minimum 0)

#### *Question 4 (2 correct answers: A, B)*

* Both correct answers marked, no incorrect: **5 points**
* 1 correct answer marked, no incorrect: **2 points**
* Any incorrect answer marked: **-1 point per incorrect** (minimum 0)

#### *Question 5 (2 correct answers: A, E)*

* Both correct answer marked, no incorrect: **5 points**
* 1 correct answer marked, no incorrect: **2 points**
* Any incorrect answer marked: **-1 point per incorrect** (minimum 0)

#### *Total Possible Points: 23 points*

#### *Note for Instructors*

* Questions 6-8 are not scored but should be collected for program assessment.
* Compare pre/post results to measure learning gains.