

Post-Search Questionnaire

Opening

Please think back on your search session and indicate your level of agreement with the following statements.

My interest in this topic has increased.

Strongly disagree 1 2 3 4 5 6 Strongly agree 7

☐ ☐ ☐ ☐ ☐ ☐ ☐

[illegible][illegible]

Self-Regulated Learning

During the task, I was able to...

[illegible]

Connect new information with things I already knew or had already learned.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Consider connections between different topics of the task.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Compare and contrast different explanations of the same idea(s).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Determine when new information matched information I had already encountered.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Keep track of my progress toward my goals.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Decide whether I understood the information I encountered.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Decide whether information would be useful to me.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Change or revise my approach to the task.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Information Evaluation – Search

The system you used included two components as shown below: 1) a web search interface, and 2) a Chat AI interface.

The next two sections of this questionnaire will ask about each of these components separately.

WebSearch

osmosis

Search

Results from the web. Showing results for: osmosis

Osmosis: Video, Anatomy, Definition & Function | Osmosis

https://www.osmosis.org/learn/Osmosis

Osmosis is a group of people that take complicated medical topics and teach them in an organized and effective way so that the information seeps into your brain and leads to longer retention... oh wait, not that Osmosis? Well, then, simply put, osmosis

Osmosis | Definition, Examples, & Facts | Britannica

https://www.britannica.com/science/osmosis

Osmosis, the spontaneous passage or diffusion of water or other solvents through a semipermeable membrane (one that blocks the passage of dissolved substances—i.e., solutes). The process, important in biology, was first thoroughly studied in 1877 by

Osmosis - Wikipedia

https://en.wikipedia.org/wiki/Osmosis

Osmosis, the process of osmosis over a semi-permeable membrane. The blue dots represent particles driving the osmotic gradient. Osmosis (/ ˈɒz məʊz /, US also / ˈoʊ - /) [1] is the spontaneous net movement or diffusion of solvent molecules throu

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https://www.osmosis.org

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ChatAI

Popout ChatAI

osmosis

Osmosis is a process where solvent molecules move from an area of lower solute concentration to an area of higher solute concentration through a semipermeable membrane. This process is important in various biological and chemical processes, such as the movement of water in plant cells and the transportation of nutrients in the body.

Important Concepts related to osmosis

- Water Potential
- Solute Concentration
- Semipermeable Membrane
- Passive Transport
- Biological Osmosis

Geben Sie hier etwas ein

Submit

Clear conversation

The questions below ask about the **web search** part of the system.

WebSearch

osmosis

Search

Results from the web. Showing results for: osmosis

Osmosis: Video, Anatomy, Definition & Function | Osmosis

https://www.osmosis.org/learn/Osmosis

Well, then, simply put, osmosis is how water molecules move across a semipermeable membrane that separates two solutions. When water molecules move like this, they end up equalizing the concentrations of the solutions on either side of the membrane.

Osmosis | Definition, Examples, & Facts | Britannica

https://www.britannica.com/science/osmosis

Osmosis, the spontaneous passage or diffusion of water or other solvents through a semipermeable membrane (one that blocks the passage of dissolved substances—i.e., solutes). The process, important in biology, was first thoroughly studied in 1877 by

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Osmosis, the process of osmosis over a semi-permeable membrane. The blue dots represent particles driving the osmotic gradient. Osmosis (/ ˈɒz məʊz /, US also / ˈoʊ - /) [1] is the spontaneous net movement or diffusion of solvent molecules throu

During the task, the information returned by the **web search** part of the system was...

	Strongly disagree 1	2	3	4	5	6	Strongly agree 7
Up-to-date	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Unbiased	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Reliable	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Credible	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Accurate	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Trustworthy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Factual	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Information evaluation – Chat

The questions below ask about the **Chat AI** part of the system.

ChatAI Popout ChatAI

osmosis

Osmosis

Osmosis is a process that involves the movement of solvent molecules through a semipermeable membrane from an area of lower solute concentration to an area of higher solute concentration. It is an important concept in understanding biological, chemical, and physical processes. Here are five key concepts related to osmosis:

Important Concepts related to Osmosis

- Concentration Gradient
- Semipermeable Membrane
- Solute Concentration
- Equilibrium
- Osmotic Pressure

During the task, the information returned by the **Chat AI** part of system was...

	Strongly disagree 1	2	3	4	5	6	Strongly agree 7
Reliable	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Credible	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Unbiased	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Factual	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Trustworthy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Accurate	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Up-to-date	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

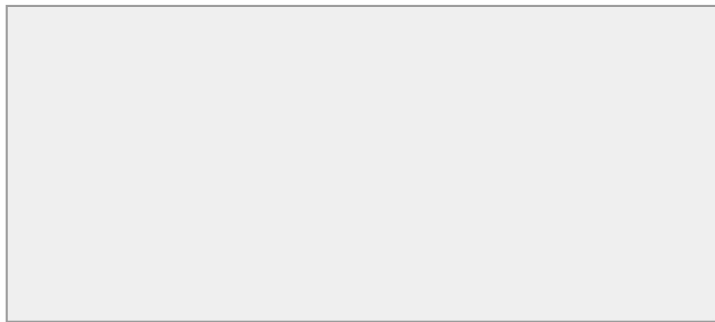
Open-ended

The following questions ask about your interactions with the **Chat AI** part of the system. These could include things like reading information, clicking links, asking new questions.

What were you trying to accomplish by using the Chat AI system?

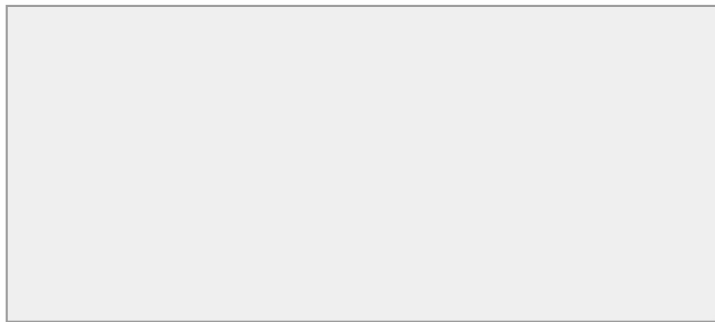
A large, empty rectangular text box with a thin black border, intended for the user to provide their answer to the question above.

What information did you gain from the Chat AI system?

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Did you use the Chat AI system during any of the following phases of your search? If so, give example(s).

- **Initiation:** getting an initial understanding of the task.
- **Planning:** strategizing about what information was needed to solve the task.
- **Pursuing:** searching for a specific piece of information you thought was useful.
- **Verifying:** verifying the accuracy, credibility or completeness of information already found.
- **Stalled:** feeling stuck or unsure about what to do next.

A large, empty rectangular text box with a thin black border, intended for the user to provide examples of search phases if they used the Chat AI system.