

Comparison of AI Responses Based on the Provided Document

1. Accuracy and Faithfulness to Source

- All three AI models (**Gemini**, **Mistral**, and **OpenAI**) extracted key religious concepts correctly from the document.
- They generally preserved the original meanings but reworded definitions for clarity.
- **Mistral AI** appears to be the closest to the original text, making minor grammatical corrections while keeping the structure intact.
- **OpenAI** and **Gemini AI** slightly expanded or reworded some definitions for clarity.

2. Formatting Differences

- **Gemini AI** formatted responses as "front" and "back" flashcards.
- **Mistral AI** used "term" and "definition", keeping a JSON-friendly format.
- **OpenAI** used "concept" and "definition" and expanded explanations slightly.

3. Key Differences in Wording

| Concept | Document Text | Gemini AI | Mistral AI | OpenAI |
|-------------------|---|---|--|---|
| Western Wall | "a sacred wall in Jerusalem, Jewish people pray." | "A sacred wall in Jerusalem where Jewish people pray." | Same as Gemini | "A sacred wall in Jerusalem where Jewish people pray, considered highly significant in Judaism." |
| Shabbat | "The Jewish holy day of rest. On Friday evening and ending on Saturday evening." | "The Jewish holy day of rest, from Friday evening to Saturday evening." | Same as Gemini | "The Jewish holy day of rest, beginning Friday evening and ending Saturday evening." |
| 10 Commandments | "10 rules of how people should live and what they should and should not do." | "Ten rules outlining how people should live and what they should and shouldn't do." | "10 rules of how people should live and what they should and should not do." | "A set of tenets in Judaism and Christianity dictating moral behavior." |
| Ramadan | "A time where Muslims fast, they can't drink water or eat food. They have a big meal at the end of the day. They do this to feel for the poor." | "A time when Muslims fast, abstaining from food and drink from dawn till dusk." | "A time where Muslims fast, abstaining from food and water during daylight hours, to feel for the poor." | "An Islamic holy month of fasting from dawn to sunset to promote empathy for the needy and spiritual reflection." |
| Muslim Golden Age | "A period of time when Muslim civilizations became to advance there societies." | "A period of time when Muslim civilizations significantly advanced." | "A period of time when Muslim civilizations advanced their societies." | "A historic period when Muslim civilizations experienced significant advancements in various fields." |

4. Execution Time

- **Gemini AI**: 4.07 seconds
- **Mistral AI**: 5.16 seconds
- **OpenAI**: 25.56 seconds

Token Pricing Comparison for AI Models

1. OpenAI Models

GPT-4o

- **Input Tokens**: \$2.50 per 1M tokens
- **Output Tokens**: \$2.50 per 1M tokens
- **Context Window**: 128K tokens
- **Source**: [OpenAI API Pricing](#)

o1

- **Input Tokens:** \$15.00 per 1M tokens
- **Output Tokens:** \$60.00 per 1M tokens
- **Context Window:** 200K tokens
- **Source:** [OpenAI API Pricing](#)

2. Google Gemini Models

Gemini 1.5 Flash

- **Input Tokens:** \$0.0375 per 1M tokens (for prompts \leq 128K tokens)
- **Output Tokens:** \$0.15 per 1M tokens (for prompts \leq 128K tokens)
- **Context Window:** 1M tokens
- **Source:** [Gemini Developer API Pricing](#)

Gemini 1.5 Pro

- **Input Tokens:** \$1.25 per 1M tokens (for prompts \leq 128K tokens)
- **Output Tokens:** \$5.00 per 1M tokens (for prompts \leq 128K tokens)
- **Context Window:** 2M tokens
- **Source:** [Gemini Developer API Pricing](#)

3. Mistral AI Models

Mistral Large 24.11

- **Input Tokens:** \$0.20 per 1M tokens
- **Output Tokens:** \$0.80 per 1M tokens
- **Context Window:** 128K tokens
- **Source:** [AI Tokens Explained](#)

Mistral Small 24.09

- **Input Tokens:** \$0.10 per 1M tokens
- **Output Tokens:** \$0.40 per 1M tokens
- **Context Window:** 32K tokens
- **Source:** [AI Tokens Explained](#)

Note: Pricing is subject to change. Please refer to the respective sources for the most up-to-date information.