



# Automated Interactive Quiz Engines

## AI PROMPT & MARKDOWN TEMPLATES FOR CHEMISTRY EDUCATORS

**How to use this toolkit:** Copy the targeted system prompts below and paste them into any advanced generative AI model (such as ChatGPT, Claude, or Gemini). Modify the bracketed variables [like this] to tailor the output to your specific chemistry curriculum. The generated blocks can be seamlessly imported directly into modern educational platforms without manual rebuilding.

### 1. Bulk-Upload Generation Engines

#### Kahoot & Quizizz Wizard Export Engine

CSV / EXCEL FORMAT

Forces the AI to render a mathematically precise, tab-delimited matrix optimized for standard spreadsheet upload templates.

```
Act as an elite chemistry assessment parser. Create a batch multiple-choice quiz about [TOPIC, e.g., Chemical Bonding & Molecular Geometry] tailored for [GRADE LEVEL, e.g., Grade 11 Chemistry].
```

```
Generate exactly 5 comprehensive questions. Output the final response ONLY as a clean, copyable raw CSV table using tab-separations. Do not wrap the output in conversational prose.
```

```
Follow this exact structural layout for each row:
```

```
Question Text [TAB] Answer Choice 1 [TAB] Answer Choice 2 [TAB] Answer Choice 3 [TAB] Answer Choice 4 [TAB] Time Limit in Seconds [TAB] Correct Answer Number
```

```
Example entry format layout:
```

```
Which type of bond involves sharing electrons?  Ionic  CovalentMetallicHydrogen  
30 2
```

Outputs standard Aiken format, allowing instantaneous transformation into automated grading files via script extensions or Google Forms quiz builders.

```
Act as an expert chemistry instructor. Write a 5-question multiple-choice quiz
regarding [TOPIC, e.g., Acid-Base Titrations and pH Indicators].
```

```
You must strictly output the quiz in raw Aiken formatting notation blocks. Ensure
question options are capitalized letters followed by a period or parenthesis, and
explicitly denote the correct index answer on its own line. Do not include
introductory notes or formatting headers.
```

```
Strict Output Standard Blueprint:
```

```
What is the primary product of a neutralization reaction?
```

- ```
A. An elemental gas
B. A salt and water
C. A long chain polymer
D. A concentrated alkaline broth
```

```
ANSWER: B
```

### Professional Verification Rules for AI Assessment Outputs

While generative models accelerate structural formatting, chemical sciences require absolute precision. Always cross-verify generated chemical formulas (ensuring proper subscripts), validate that distractors do not contain ambiguous pseudo-correct structural pathways, and audit the output answer indices before student distribution.