Teacher Answer Key

Case Study

1. Priya included Context (high school student, personal finance class, 10-minute presentation), Language (simple language, no financial jargon), Explicit Instructions (five-point numbered outline, one real-world example), Audience (high school students with no financial background), and Result (a numbered outline she can actually present). Each element directed the AI away from its default formal-textbook tone and toward something usable in a classroom presentation.

2. Priya's experience suggests the user is primarily responsible for AI output quality. The AI gave accurate information both times — the problem was that the first prompt gave the AI no direction about audience or tone, so it defaulted to a textbook style. The reading supports this: it states that results become predictable and useful when users provide structure, not when the AI improvises on its own.

Multiple Choice

1. B
2. C
3. D

Matching

1-D, 2-A, 3-E, 4-C, 5-B

Fill-in-the-Blank

1) Audience, 2) explicit instructions, 3) neutral

Short Answer (Sample Responses)

Q1: Answers will vary. Example: Context prevents the AI from making wrong assumptions about who is asking and why, which stops it from producing overly advanced or completely irrelevant content. Explicit Instructions prevent the AI from improvising structure, which stops it from producing an output that is the wrong length, format, or level of detail.

Q2: The comparison reveals that AI does not have independent judgment about quality — it executes instructions literally. Just as a contractor will build exactly what the blueprints specify, AI will produce exactly what the prompt specifies, no more and no less. Vague instructions lead to improvised results; detailed instructions lead to predictable results.

Q3: Audience matters because AI automatically adjusts its vocabulary, complexity, and assumed knowledge based on who the content is for. For example, an explanation of how a stock market works written for an adult investor would include terms like dividends and portfolio diversification that would confuse a middle schooler entirely. Specifying audience calibrates the AI toward the correct level from the start.