

Name _____

Chain of Reasoning Fix

Directions: Read the AI's step-by-step reasoning. Find the step where the logic goes wrong, explain why, and correct the reasoning.

Case 1 - Question: What is the capital of Canada?

AI's Reasoning:

1. Canada is a large country in North America.
2. Toronto is the biggest city in Canada.
3. The capital of a country is usually the biggest city.
4. Final Answer: Toronto.



Where It Went Wrong: _____

Correct Reasoning: _____

Case 2 - Question: How many legs does an insect have?

AI's Reasoning:

1. Spiders are often thought of as insects.
2. Spiders have 8 legs.
3. Therefore, insects have 8 legs.
4. Final Answer: 8.

Where It Went Wrong: _____

Correct Reasoning: _____

Case 3 - Question: Who invented the light bulb?

AI's Reasoning:

1. Thomas Edison is famous for his work with electricity.
2. He improved the design of the light bulb and made it practical for use.
3. Since he is famous for this invention, he must have invented the first light bulb.
4. Final Answer: Thomas Edison.

Where It Went Wrong: _____

Correct Reasoning: _____