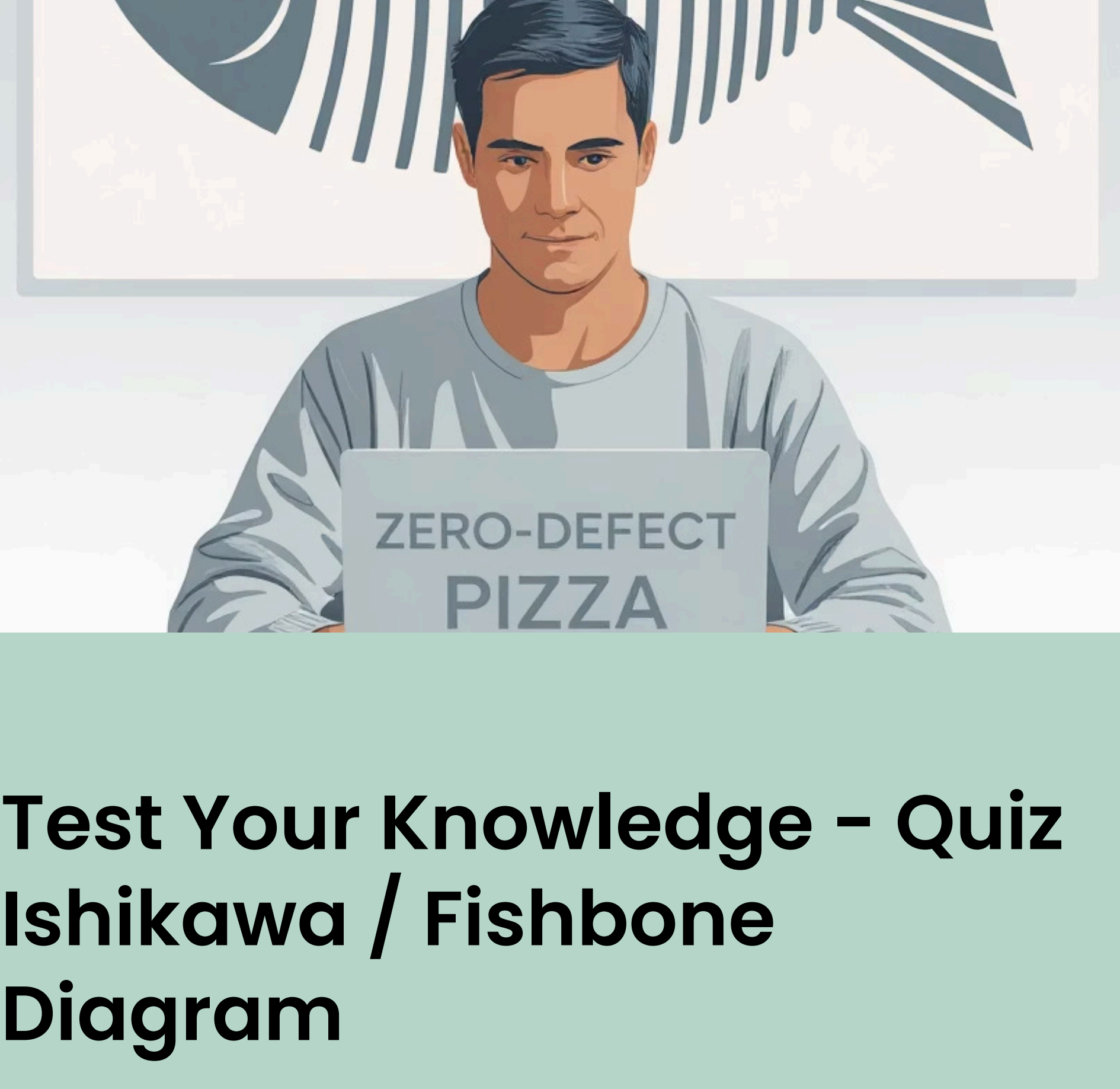
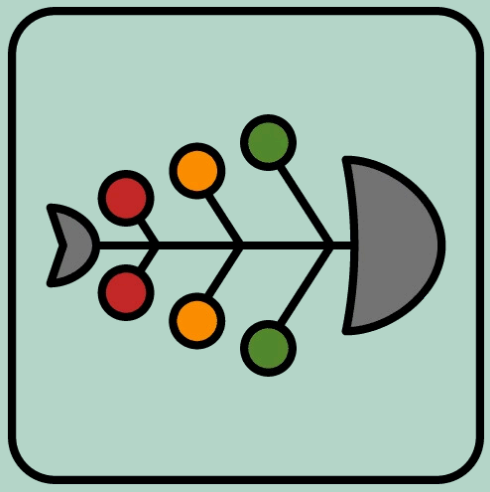


Test Your Knowledge - Quiz Ishikawa / Fishbone Diagram



Swipe to discover how 7 simple questions can transform your problem solving!

Question 1: What is an Ishikawa Diagram?

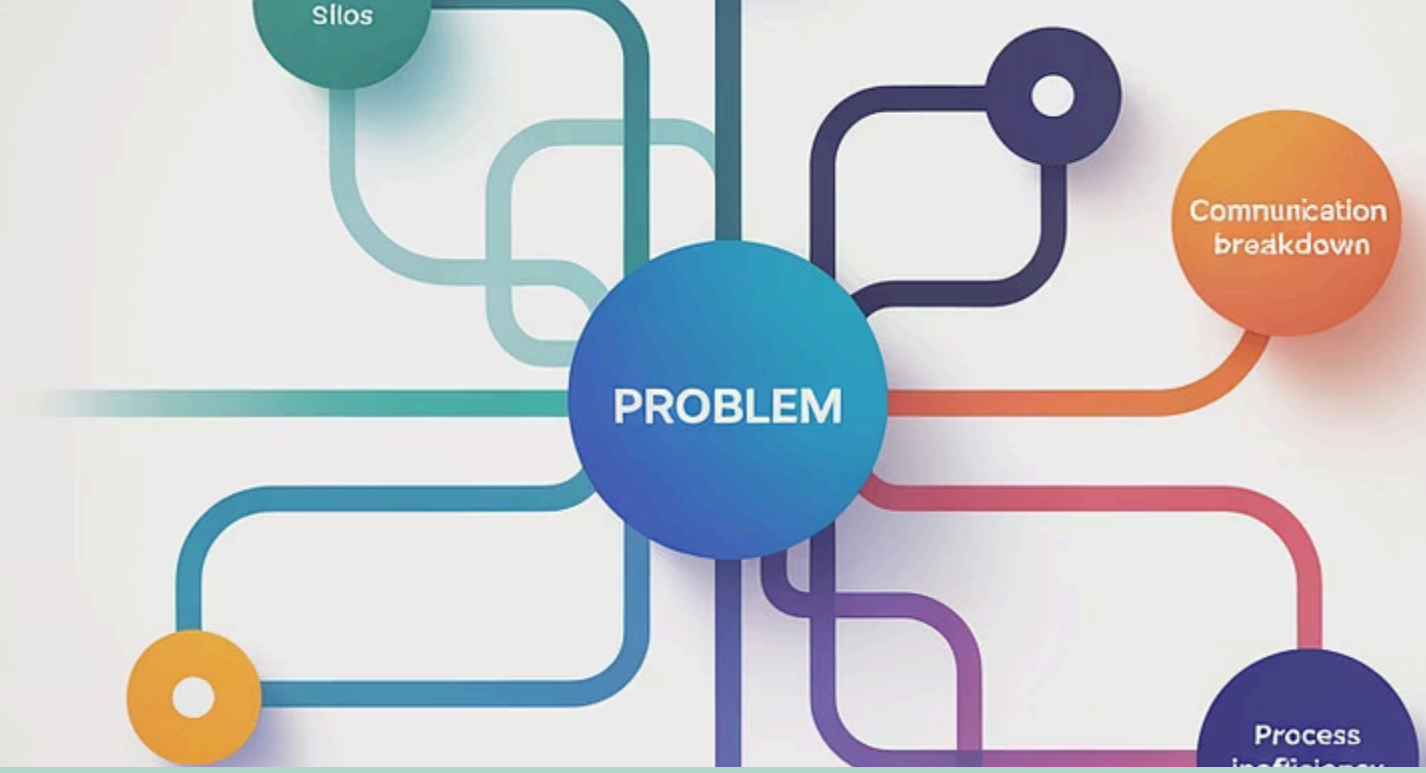
Answer 1: Explaining the Ishikawa Diagram

Also Called

Fishbone or cause-and-effect diagram that visualises problem causes

Developer

Created by Kaoru Ishikawa in the 1940s for systematic cause analysis



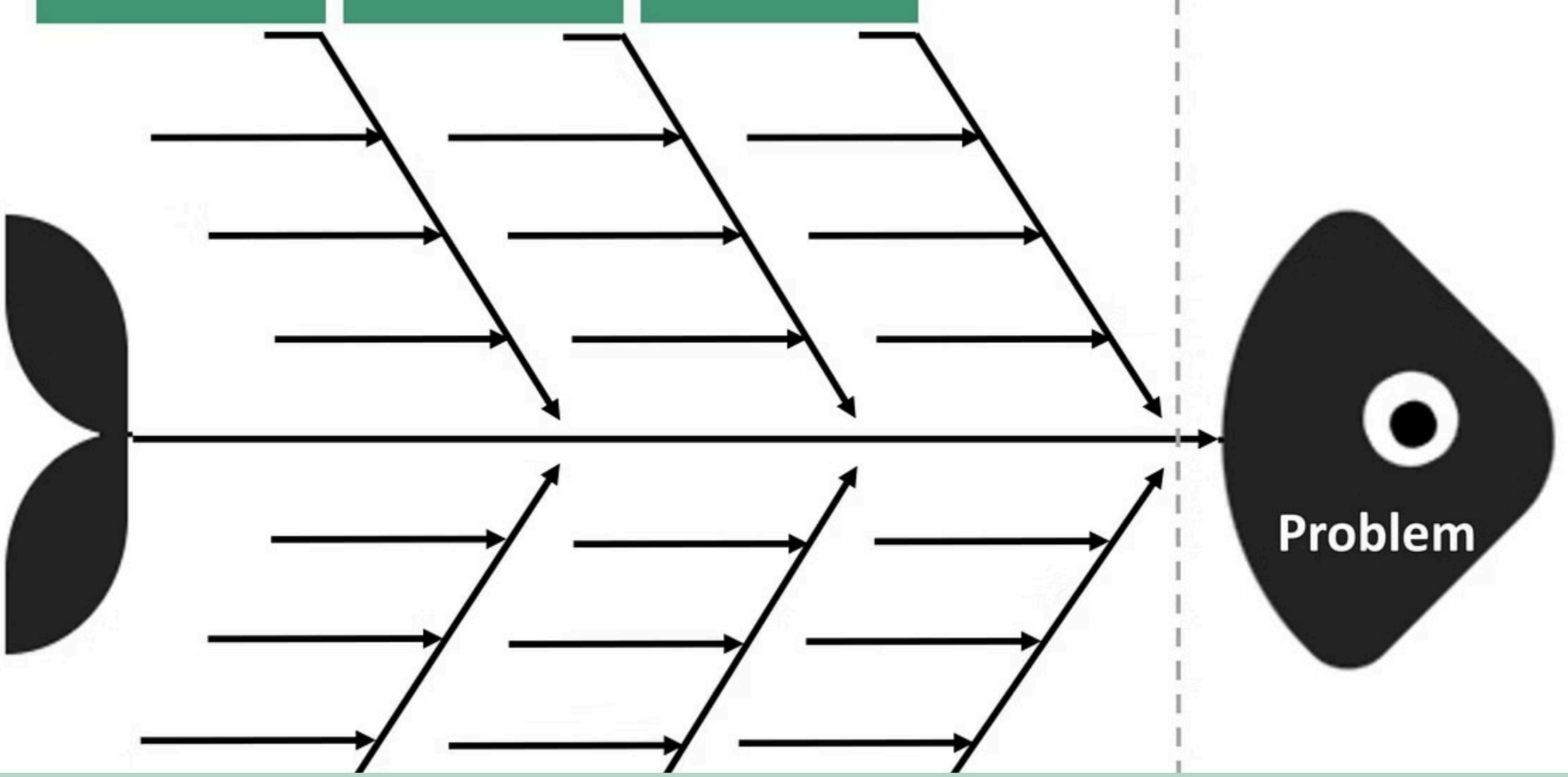
Question 2: What is the primary purpose of the Ishikawa Diagram?

- A) To track project timelines
- B) To identify root causes of a problem
- C) To display financial data
- D) To organize team roles

Answer 2:

B) To identify root causes

It helps teams systematically explore all possible causes leading to an effect or problem.



Question 3: How is an Ishikawa Diagram structured?

Answer 3: Diagram Structure

Fish Head

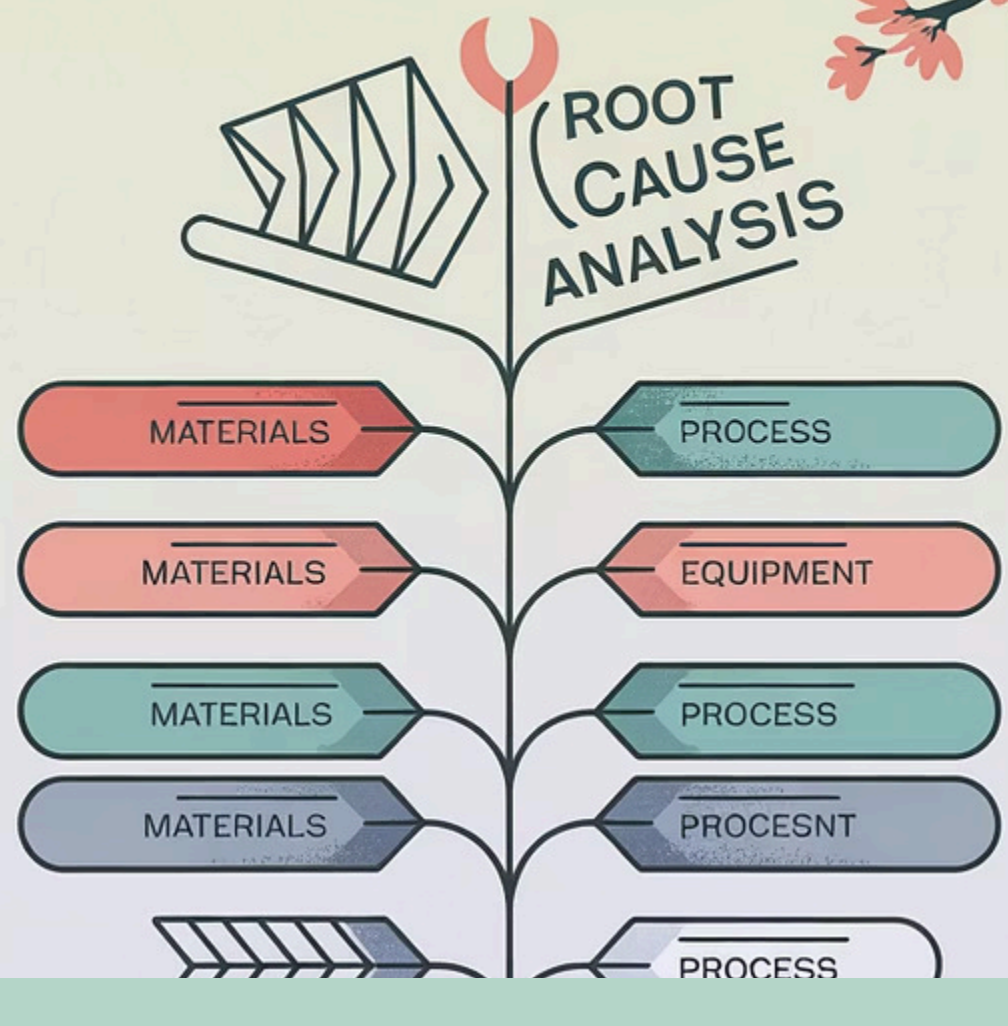
Contains the problem being analysed

Main Bones

Primary cause categories branching from spine

Sub-bones

Detailed sub-causes extending from main categories



Question 4: Which main categories are commonly used?

Answer 4:
The 6Ms Framework

Methods

Processes and procedures

Machines

Equipment and technology

Materials

Raw materials and supplies

Manpower

People and skills

Mother Nature

Environmental factors

Measurements

Quality control systems

Question 5:

How do you create an Ishikawa Diagram?

Answer 5: 5 Steps to Creation

1

Define Problem

Clearly formulate and place in fish head

2

Set Categories

Establish main cause categories (e.g., 8M method)

3

Brainstorm Causes

Generate ideas and assign to categories

4

Review & Evaluate

Check completeness and assess causes

5

Develop Solutions

Derive actionable problem-solving measures

Question 6: Why is brainstorming important?

A) To assign blame

B) To generate all possible causes

C) To finalize solutions immediately

D) To create a timeline

Answer 6: B) Generate all possible causes

Brainstorming helps uncover hidden or indirect causes that might otherwise be missed.

Question 7: Why is the Ishikawa Diagram so useful?

Answer 7: Benefits of Ishikawa Diagrams

Systematic Analysis

Promotes thorough cause investigation, prevents superficial solutions

Clear Visualisation

Makes complex relationships visible and understandable

Team Problem-Solving

Supports collaborative analysis and shared understanding

Versatile Tool

Simple to learn, flexible for use across industries

Ready to Solve Problems?

Use the Ishikawa Diagram to see beyond symptoms and tackle root causes.

Share this quiz with your team!

About the Author

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Creator of

ZeroDefectPizza.com

Ready for Real Root Cause Analysis?

Connect for practical insights on:

Breaking the recurrence cycle

Transforming quality costs into one-time investments

Building data-driven prevention strategies

Made with ❤️ for Quality in Bavaria