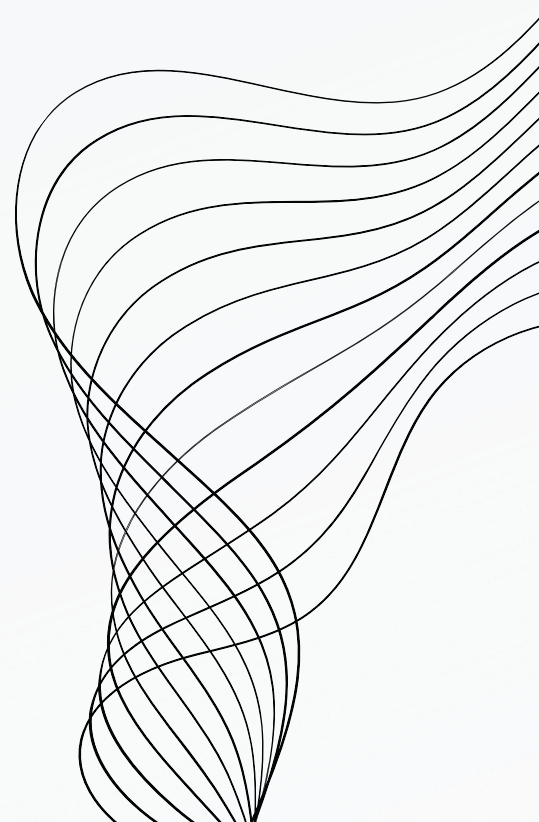




PART - 1

PROBLEM SOVLING TECHNICS

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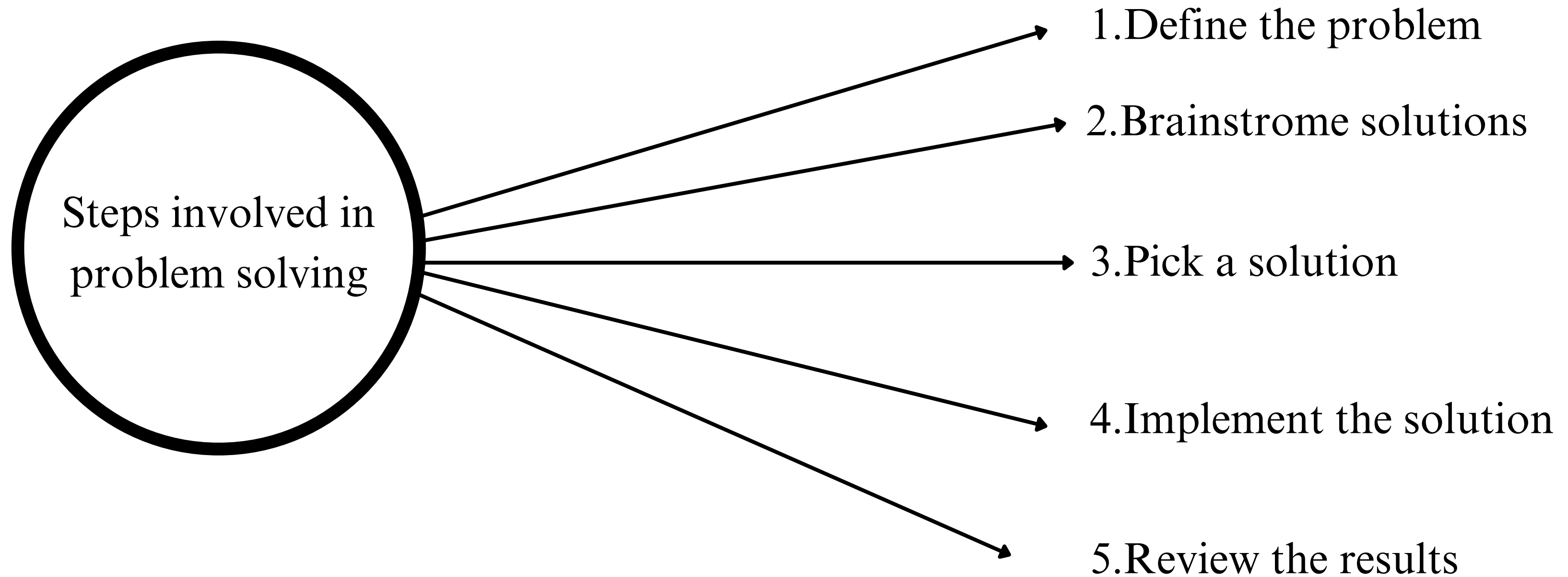


what is Problem solving?

- Problem solving is the process of transforming the description of a problem into a solution using the problem solving tools and techniques



Steps involved in problem solving



why we need this problem solving techniques?

- **Increased Efficiency:** Used to improve your ability to make decisions
- **Improved Decision Making:** choices or overlooking important factors
- **Enhanced Creativity:** Used to be more creative
- **Better Communication and Collaboration:** By working together and sharing ideas
- **Greater Adaptability:** Adapting to new challenges and situations

How to implement problem solving techniques?

1. Define
2. List all the possible solutions
3. Evaluate
4. Select the best
5. Create a plan
6. Execute

Different types of problem solving technics we have:

- Trial and Error
- Brainstorming
- Heuristic Methods
- Algorithmic Approaches
- Root Cause Analysis
- Mind Mapping
- SWOT Analysis
- PDCA Cycle (Plan-Do-Check-Act)
- Lateral Thinking
- Five Whys
- Fishbone Diagram
- Critical Path Method (CPM)
- Pareto Analysis (80/20 Rule)
- Cost-Benefit Analysis
- Decision Trees
- Simulation and Modeling

Conclusion:

- These techniques lead to better, faster, and more innovative solutions, helping us effectively tackle challenges and improve continuously

THANK
YOU