

Task 1. Read the text and answer the questions.

At Tesla, the **problem identification** began with recognizing the need to extend battery life in electric vehicles while maintaining cost efficiency. They had to make electric vehicles practical and competitive with traditional cars.

Through an **iterative procedure**, they tested various battery technologies and **analytical approaches** to improve efficiency. They applied **comprehension** and **analysis** to the energy consumption of prototypes, aiming to find the best solution. After **synthesis** of new data, they **redefined** their designs, particularly focusing on battery life and charging speed. The team's **application** of advanced technology allowed them to effectively **attack the issue** and bring models like the Tesla Model S to market, solving key challenges in electric vehicle performance.

1. **What was the focus of Tesla's *problem identification*?**
 - a) Improving vehicle speed
 - b) Extending battery life and maintaining cost efficiency
 - c) Enhancing the car's design features
2. **Which method did Tesla employ during the *iterative procedure* to improve battery technologies?**
 - a) Trying random methods without analysis
 - b) Only using one approach from start to finish
 - c) Testing various technologies repeatedly
3. **What *analytical* approach did Tesla use to improve efficiency?**
 - a) They evaluated the energy consumption of prototypes
 - b) They analyzed customer feedback
 - c) They focused solely on vehicle aerodynamics
4. **What was redefined during the *synthesis* of new data in Tesla's design process?**
 - a) Engine performance
 - b) Battery life and charging speed
 - c) Car color and style
5. **How did Tesla approach the issue after applying their *comprehension* and *analysis*?**
 - a) By launching a new marketing campaign
 - b) By redefining designs and testing advanced technology
 - c) By increasing the price of their vehicles

Task 2. Find the synonyms in the text for the following words.

- Revised, restructured _____
- Answer, key _____
- Recognition, detection _____
- Integration, combination _____
- Implementation, utilization _____
- Repetitive process _____
- Examination, investigation _____

Task 3. Match the words from the column A to the words to the column B to make up a collocation.

1. Problem	A) approach
2. Iterative	B) the problem
3. Analytical	C) identification
4. Solution to	D) synthesis
5. Comprehension and	E) procedure
6. Application of	F) process
7. Data	G) analysis
8. Redefined	H) the issue
9. To attack	I) technology

Task 4. Match the words from the column A to their definitions from the column B.

1. Problem Identification	A) The process of finding a way to solve a problem or address a challenge.
2. Iterative Procedure	B) Understanding the nature and details of the problem.
3. Analytical Approach	C) Taking active steps to tackle a challenge or problem directly.
4. Data Synthesis	D) A repeated process to improve or refine a design or method.
5. To Attack the Issue	E) An improved procedure that has been changed for better results.
6. Redefined Process	F) Combining different data sources to create new insights or understanding.

Task 5. Fill in the gaps with the most appropriate collocation from Task 2.

- 1) By adopting an _____, the engineers were able to systematically solve the complex design issues.
- 2) _____ in manufacturing has drastically improved production efficiency.
- 3) The team employed an _____ to refine their prototype, ensuring continuous improvement.
- 4) The researchers conducted _____ to combine findings from multiple studies into a comprehensive report.
- 5) The _____ revealed significant trends in consumer behavior that guided the marketing strategy.
- 6) The _____ of urban planning now emphasizes green spaces and community engagement.
- 7) Effective _____ is the first step in developing a successful project plan.
- 8) The project manager called a meeting to discuss how best _____ of delays in the construction schedule.

Task 6. Put the sentences in the dialogue in the correct order.

_____ **Tom:** "Agreed. Let's take an analytical approach to model the vibrations."

_____ **Greg:** "After thorough analysis, we can synthesize our findings to develop a solution."

_____ **Tom:** "First, we need problem identification. What's the main issue with the bridge design?"

_____ **Tom:** "Yes, and we'll redefine the support system to attack the issue effectively."

_____ **Greg:** "It seems there's excessive vibration causing instability. We should use an iterative procedure to test different support structures."