

STEP 1. Identify Challenges

Carefully read and discuss the Future Scene. Consider the many possible challenges, concerns, and problems related to it. Generate as many challenges as you can. Focus on the 16 challenges you think are the most important and write them in the booklet in the space provided. Explain your challenges clearly. Be sure to word the challenges as possibilities. Do not state challenges as questions.

Do not write on the back of any page or in margins. One additional page for both challenges and solutions is provided (last page – page 14).

1.	
2.	
3.	
4.	

STEP 1. Identify Challenges (continued)

Writing on reverse side or in margins will not be scored.

5.

6.

7.

8.

STEP 1. Identify Challenges (continued)

Writing on reverse side or in margins will not be scored.

9.

10.

11.

12.

STEP 1. Identify Challenges (continued)

Writing on reverse side or in margins will not be scored.

13.

14.

15.

16.

STEP 2. Select an Underlying Problem

Using the possible challenges you listed in Step 1 as a guide, identify a problem of major importance to the Future Scene situation. Write your Underlying Problem in question form, including a condition phrase and the words, "In what ways might we...?" or "How might we...?" Your problem should clearly explain what you want to do and what you expect to accomplish.

Do not write on the back of any page or in margins.

To show a connection between Step 1 and Step 2, in the space below, identify by number the Step 1 challenge(s) from which your Underlying Problem was developed.

STEP 3. Produce Solution Ideas

Elaborate solutions by including specific details that answer at least 3 of the 4 critical questions: **who**, **what**, **why** and **how**. Include **where** and **when** only if the information further refines parameters already stated in your Underlying Problem.

Do not write on the back of any page or in margins. Do not write on the back of any page or in margins. One additional page for both challenges and solutions is provided (last page – page 14).

1.

2.

3.

4.

STEP 3. Produce Solution Ideas (continued)

Writing on reverse side or in margins will not be scored.

5.

6.

7.

8.

STEP 3. Produce Solution Ideas (continued)

Writing on reverse side or in margins will not be scored.

9.

10.

11.

12.

STEP 3. Produce Solution Ideas (continued)

Writing on reverse side or in margins will not be scored.

13.

14.

15.

16.

STEP 4. Select Criteria

Generate criteria to determine which solution idea does the best job of solving your Underlying Problem and/or addressing the Future Scene situation. Select the 5 most important criteria for measuring solution ideas and write them in the spaces provided. Be sure to write each criterion as a question.

Do not write on the back of any page or in margins.

1.	
2.	
3.	
4.	
5.	

STEP 5. Apply Criteria

From the solution ideas written in Step 3, select the 8 ideas with the most potential to solve the Underlying Problem and list them on the grid. Use each criterion to rank the solutions on a scale from 1 (poorest) to 8 (best) and enter the numbers in the appropriate columns. Add the numbers in each solution's row and enter the sum in the "total" column. Be sure to use the highest ranking solution in Step 6.

Do not write on the back of any page or in margins.

Step 3 Sol'n #	Solution Idea	Criteria					Total
		1	2	3	4	5	
#							
#							
#							
#							
#							
#							
#							
#							

Writing on reverse side or in margins will not be scored.

A large rectangular area with horizontal ruling lines, intended for writing. The lines are evenly spaced and cover most of the page's width and height.

Text must be limited to labeling. Reverse side will not be scored.

Clearly label the Step and # of the idea being completed. Unreadable text will not be evaluated.