

## REPRODUCIBLE FOR CLASSROOM USE

# Problem-Solution Worksheet

The English proverb “two heads are better than one” is often true. Solving problems can often be difficult. Working with your partner, focus on a problem—at school, at work, or in the local city—and find a reasonable solution together. Please follow this classic problem-solution method widely used in engineering and the sciences to solve problems. Be ready to share your process and conclusions in a short presentation next class.

### DEFINE THE PROBLEM

Background .....

Problem .....

Short-term effects.....

Long-term effects.....

### FIND THE BEST SOLUTION

Possible solution .....

- Advantage.....
- Disadvantage.....

Possible solution .....

- Advantage.....
- Disadvantage.....

Possible solution .....

- Advantage.....
- Disadvantage.....

Possible solution .....

- Advantage.....
- Disadvantage.....

Best Solution .....

Reasons:

1. ....
2. ....
3. ....