



Name: _____

Class: _____ Date: _____

Help Others with Your Knowhow!

An activity of "Bangladesh's rickshaws go electric".

In Bangladesh, rickshaw drivers who switch from traditional cycle rickshaws to battery-powered ones can earn more with less effort. However, the lead-acid batteries in these electric rickshaws create serious problems. Read "Bangladesh's rickshaws go electric" (page 8, *What's Up* September 2025) to find out what two enterprising students did to help solve the problems.

ON YOUR OWN

A) Using the *What's Up* story, list the problems associated with each type of battery and how the problems were solved.

The problem with lead-acid batteries	How Nicole Mao and Yiwei Zhu solved the problem

The problem with lithium batteries	How Nicole Mao and Yiwei Zhu solved the problem

B) Nicole Mao applied her family’s battery-making knowledge to solve the problem of lead-acid batteries and help rickshaw drivers. She also teamed up with Yiwei Zhu on this mission. You, too, can use your skills and knowledge, and work with teammates to solve problems and help others.

In the space below, write down what you are good at and what you are knowledgeable about — your knowhow.

My skills	My knowledge

IN GROUPS

C) Form six groups. In your group, think of a problem to focus on. Your focus problem can be a situation at school or your neighbourhood. It can even be a global problem the world is experiencing. Take turns to briefly describe your skills and knowledge that may be helpful to address the problem. Brainstorm how to use your group’s combined knowhow. Write out an action plan in the table below. Your action plan may not solve the problem, but it should at least aim to make some people’s lives better.

The Problem
Solution
Action Plan (<i>in point form</i>):

D) What were the best possible results if your group’s action plan was carried out?
