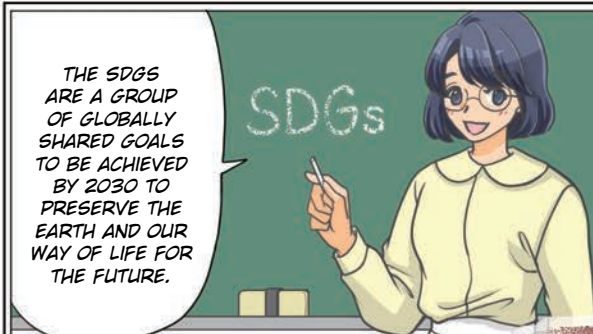
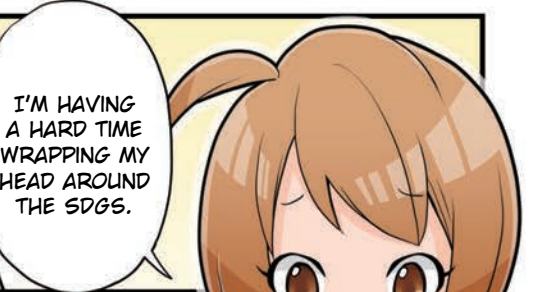
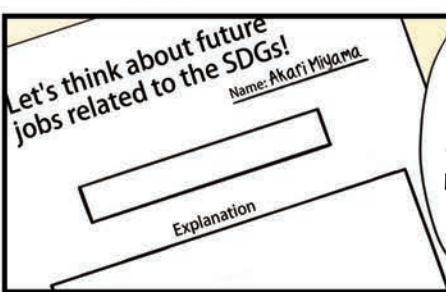
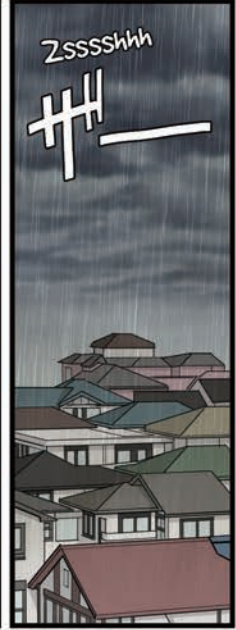
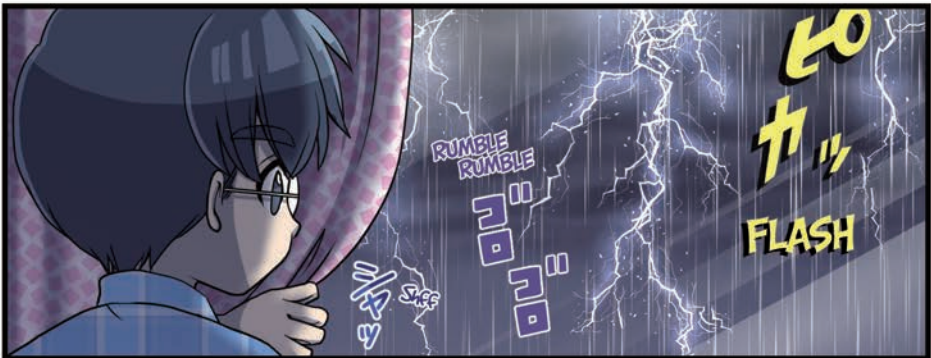
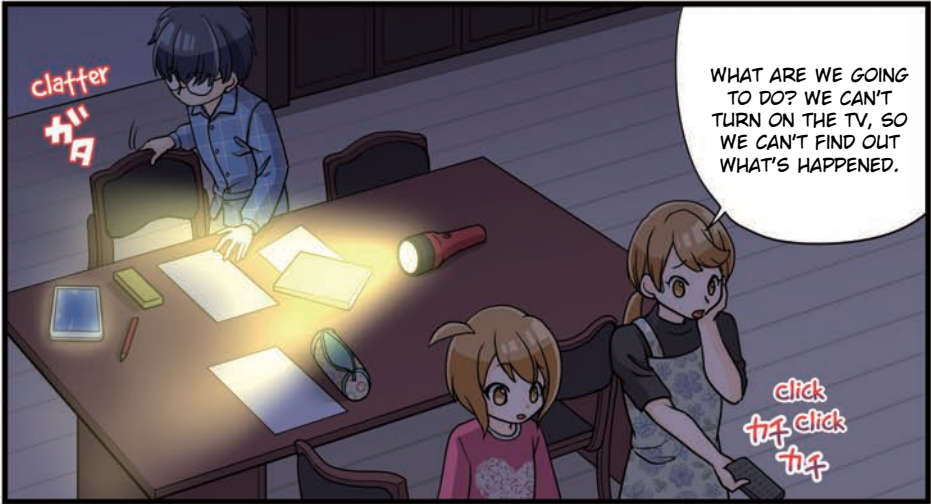
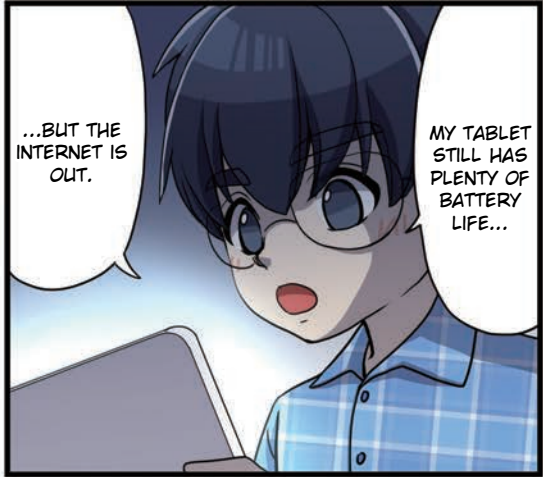


NO ENERGY? BIG PROBLEM!









CHAPTER 1: NO ENERGY? BIG PROBLEM!

TRIVIA

WHEN PREPARING TO LAUNCH A ROCKET, LARGE SECTIONS ARE FILLED WITH LIQUID HYDROGEN, WHICH IS FUEL, AND LIQUID OXYGEN, TO BURN THE FUEL.



L-h...
Silence

I WAS JUST ABOUT TO START PREPARING DINNER, TOO...

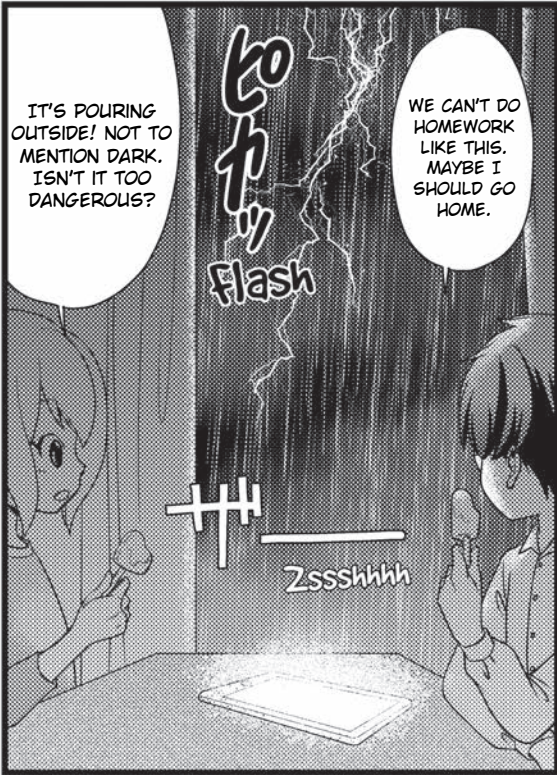
Oh, right.
THE FRIDGE DOESN'T HAVE POWER, EITHER.



+++ Zssshhhh

LOOKS LIKE THE WHOLE NEIGHBORHOOD IS OUT OF POWER.

Yikes!



IT'S POURING OUTSIDE! NOT TO MENTION DARK. ISN'T IT TOO DANGEROUS?

ゴッ
Flash

WE CAN'T DO HOMEWORK LIKE THIS. MAYBE I SHOULD GO HOME.

+++ Zssshhhh



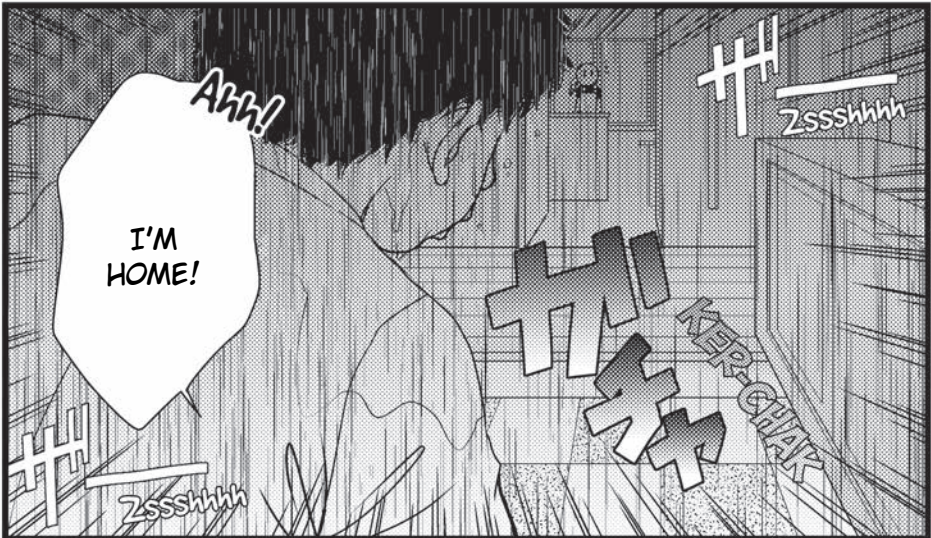
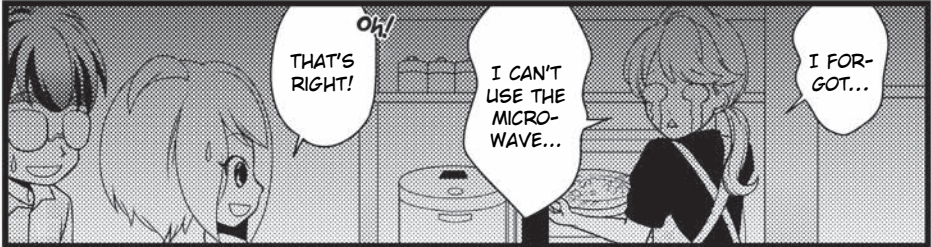
THAT MEANS THE ICE CREAM IN THE FREEZER IS GOING TO MELT.

GUESS WE HAVE TO EAT IT NOW!



TRIVIA

CURRENTLY, HYDROGEN IS USED IN FERTILIZER MANUFACTURING, SEMICONDUCTOR AND ELECTRONIC COMPONENT PROCESSING, THE PETROCHEMICAL INDUSTRY, FOOD MANUFACTURING, AND MORE.

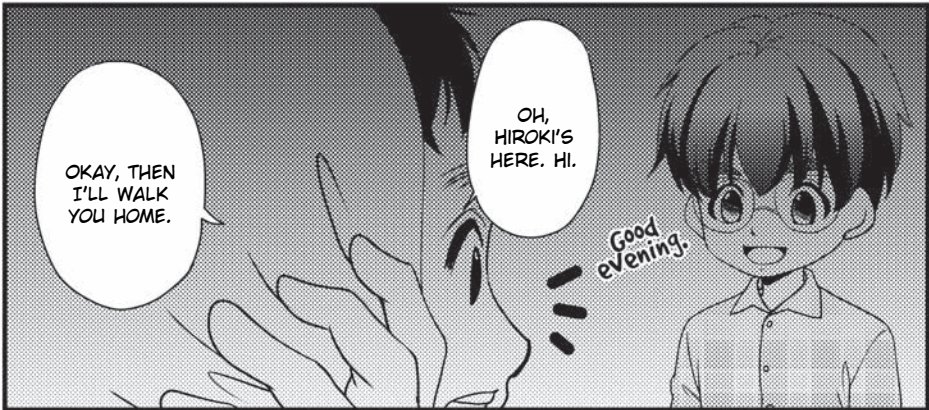
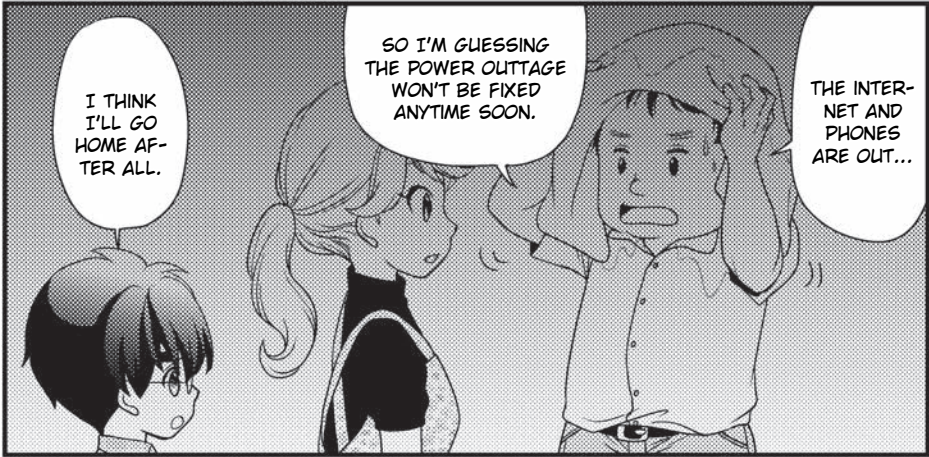
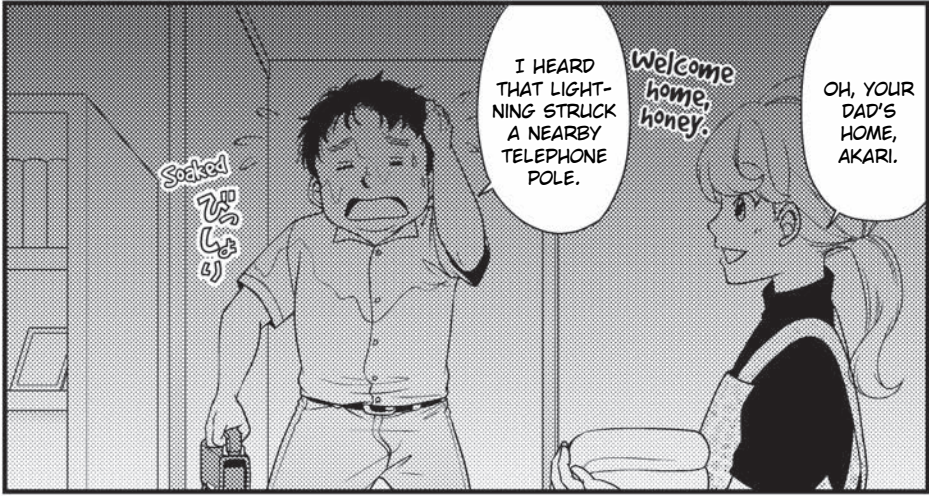


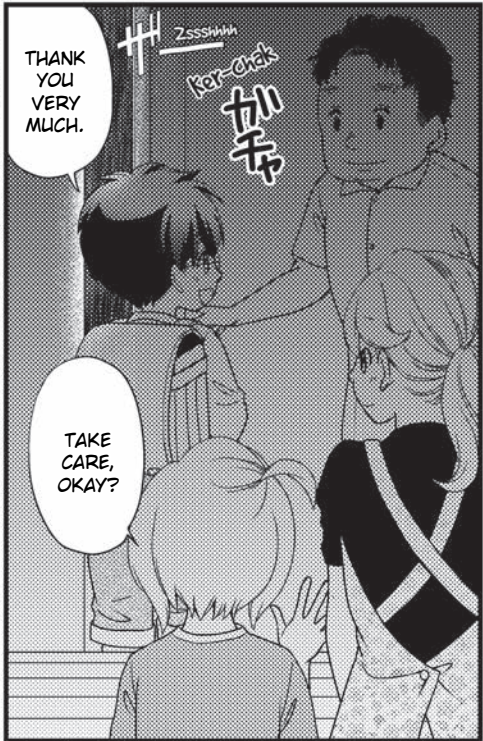
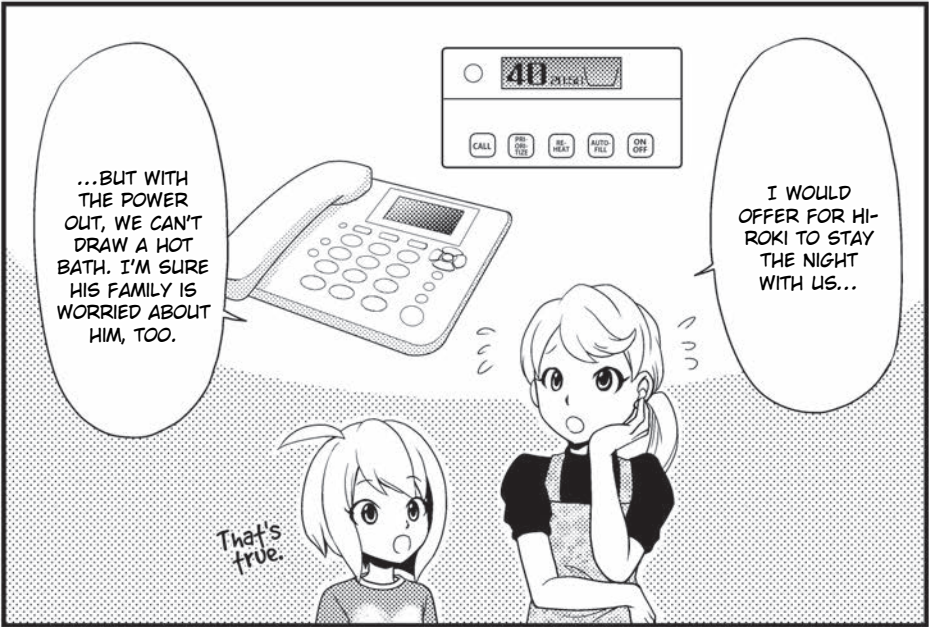


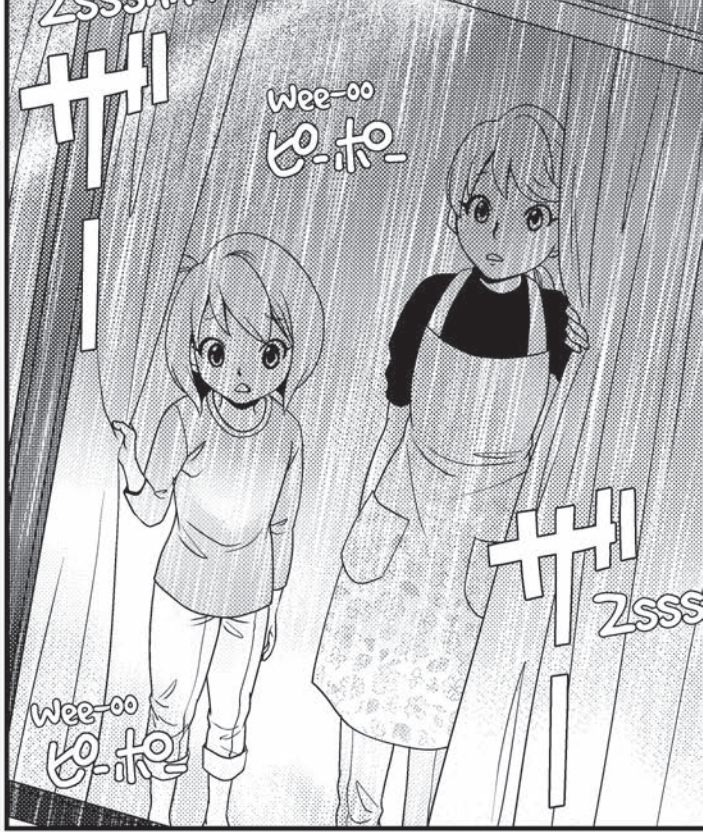
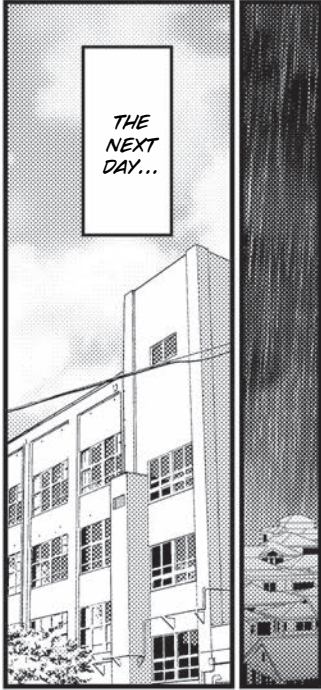
CHAPTER 1: NO ENERGY? BIG PROBLEM!

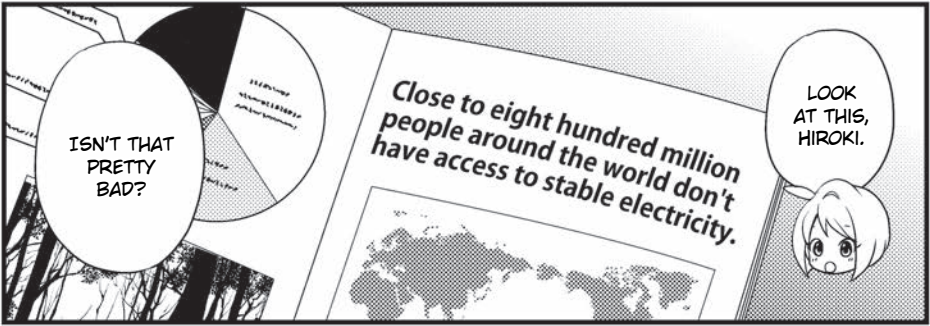
TRIVIA

JAPAN HAS SET A GOAL TO REDUCE GREENHOUSE GAS EMISSIONS BY AT LEAST 54% OF THEIR 2013 LEVELS BY THE YEAR 2030.











WHAT'S ENERGY? PART 2

MICROPHONES TRANSFORM SOUND ENERGY INTO ELECTRICAL ENERGY. LIGHTS CHANGE ELECTRICAL ENERGY INTO LIGHT ENERGY. THESE ARE EXAMPLES OF HOW ENERGY CAN CHANGE FORMS. THIS IS ESPECIALLY IMPORTANT FOR "ELECTRICAL ENERGY" WHICH IS A CONVENIENT, EASILY CHANGED FORM OF ENERGY.

