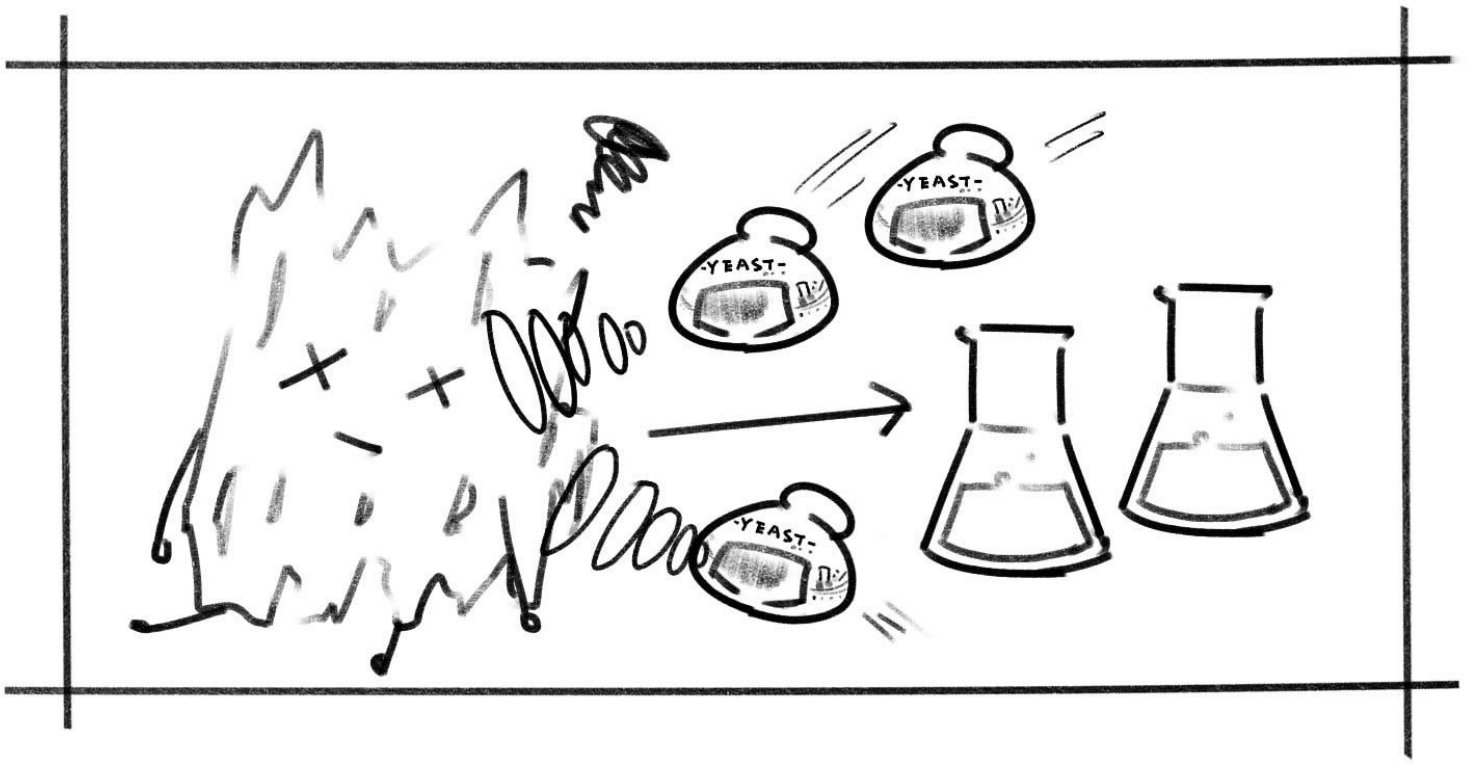
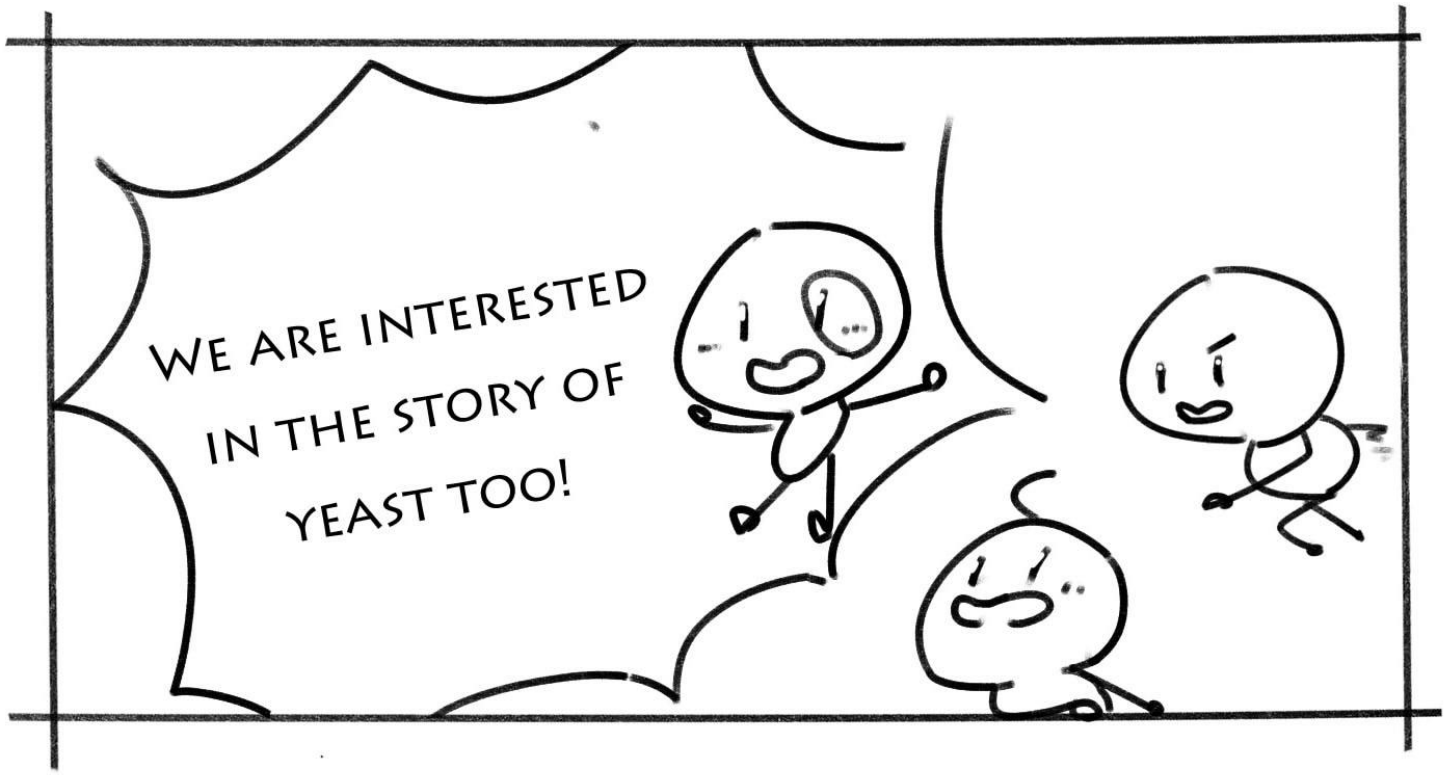
# EXTRA CHAPTER

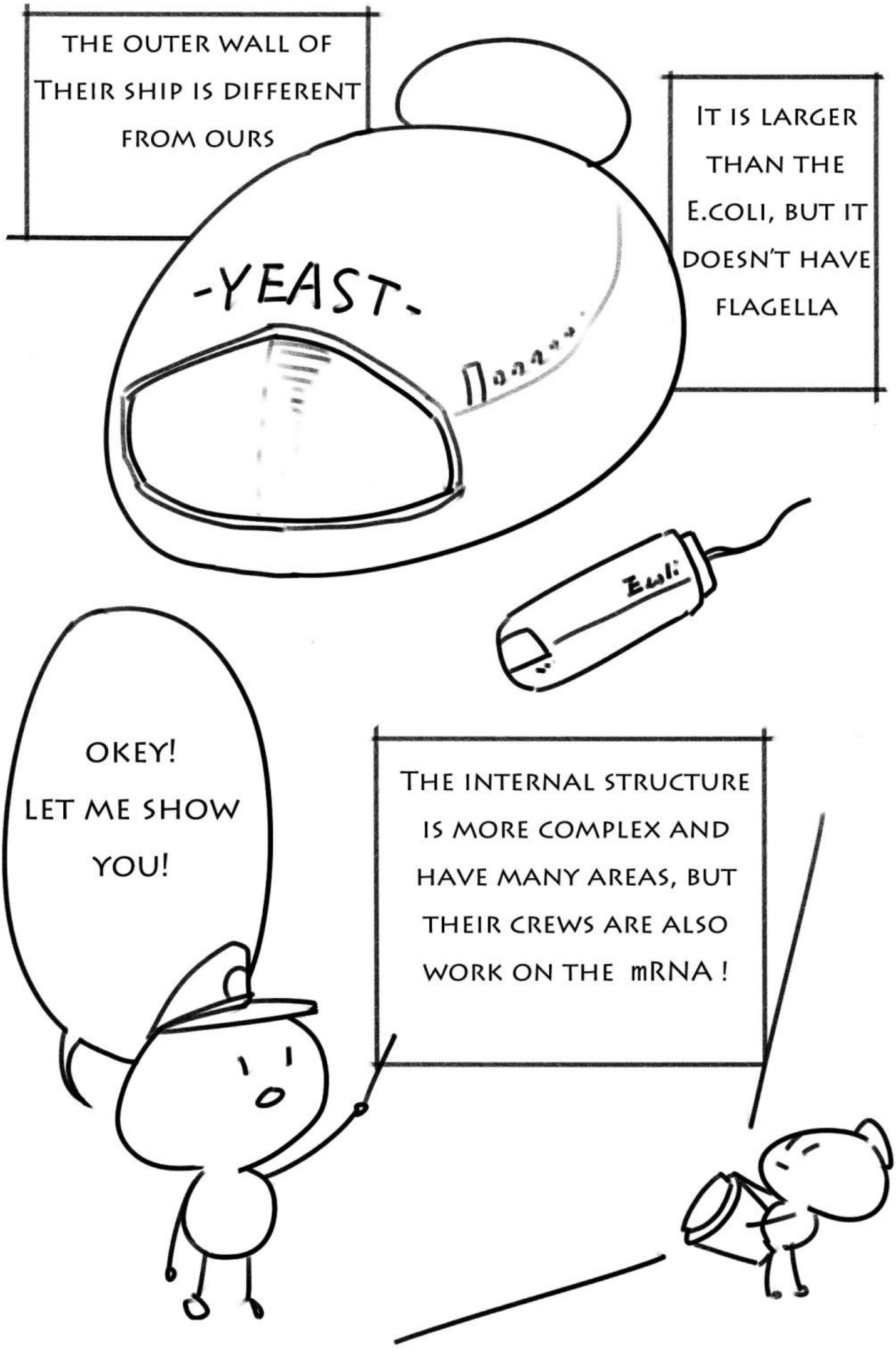
## MISSION! DESTROY THE ENTEROMORPHA

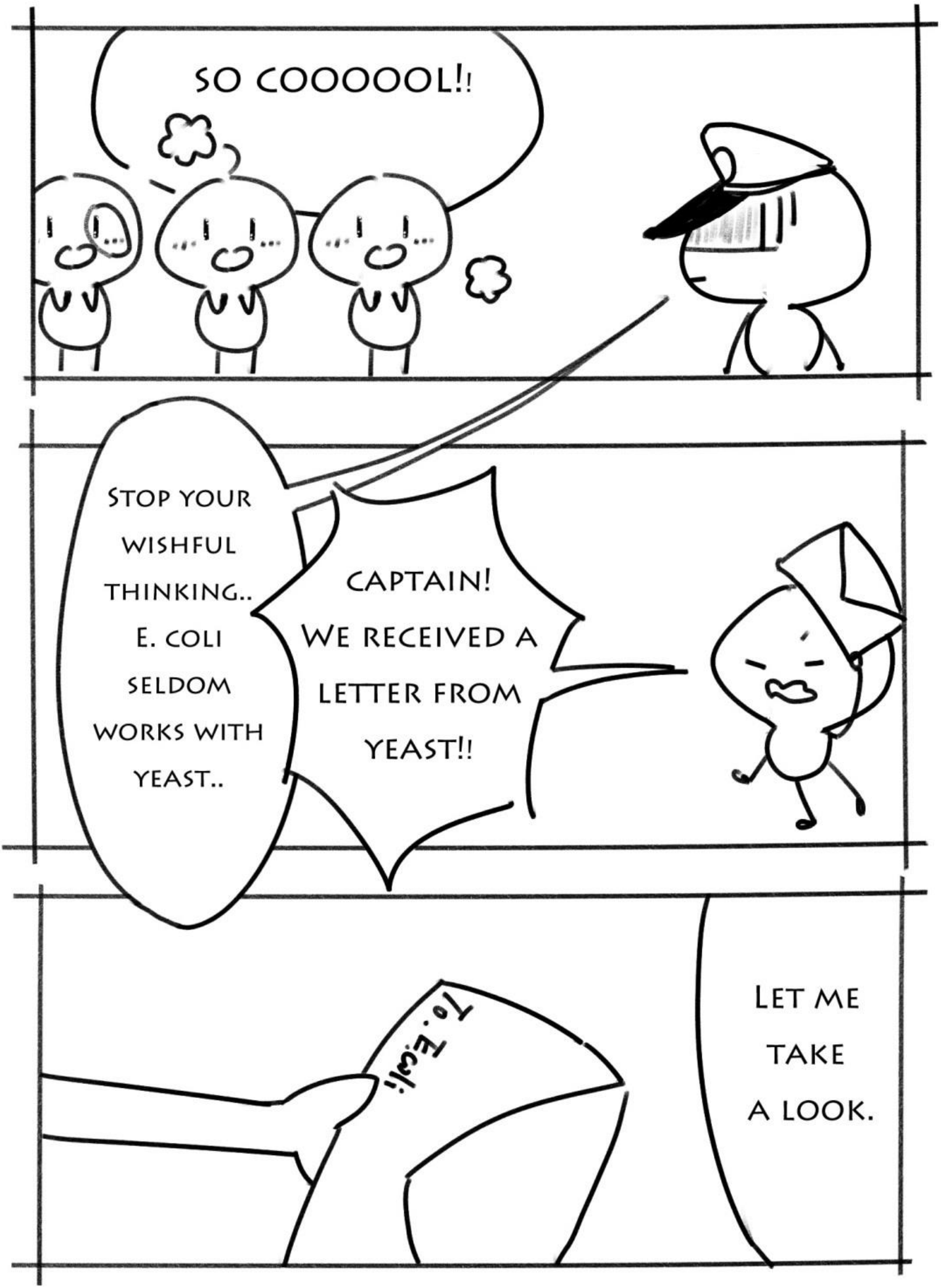

CAPTAIN, WHAT ARE YOU READING?
THE LATEST EDITION OF "MICRO TIMES"
!
IT SAID THE SPACE SHIP "YEAST" BEAT THE MONSTER
MICRO TIMES
WOW! THAT'S GREAT!
I HEARD THE MONSTER APPEARED FOR SEVERAL YEARS, BUT HASN'T BEEN WELL MANAGED YET
THE MONSTER ENTEROMORPHA
EVERY SUMMER, IT APPEARS IN THE BEAUTIFUL SEASHORE OF QINGDAO, CHINA. BECAUSE IT IS TOO UGLY, IT SCARED AWAY A LOT OF TOURISTS!




I HEARD THAT YEAST KILLS THE MONSTER THROUGH DEGRADING CELLULOSE (THE STRUCTURE OF ENTEROMORPHA) !
WHAT'S MORE, THE YEAST CAN TURN CELLULOSE INTO ALCOHOL!!




THE OUTER WALL OF THEIR SHIP IS DIFFERENT FROM OURS
IT IS LARGER THAN THE E.COLI, BUT IT DOESN'T HAVE FLAGELLA
-YEAST-
E.coli
OKEY! LET ME SHOW YOU!
THE INTERNAL STRUCTURE IS MORE COMPLEX AND HAVE MANY AREAS, BUT THEIR CREWS ARE ALSO WORK ON THE mRNA !

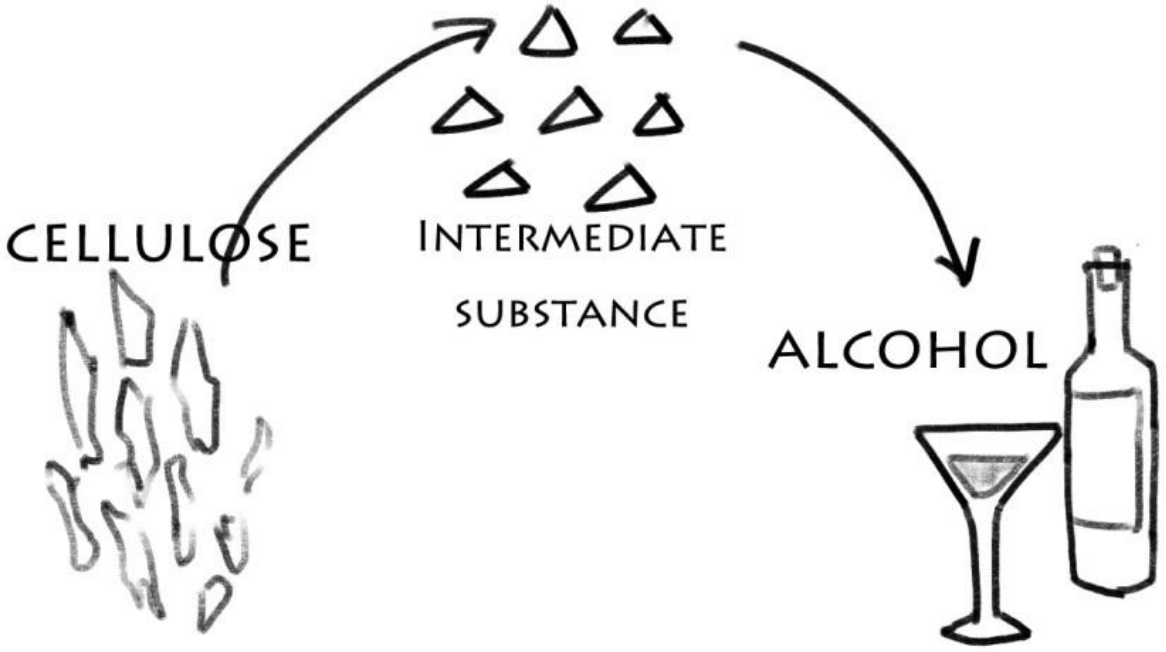

SO COOOOOL!!
STOP YOUR WISHFUL THINKING.. E. COLI SELDOM WORKS WITH YEAST..
CAPTAIN! WE RECEIVED A LETTER FROM YEAST!!
To. Ecoli
LET ME TAKE A LOOK.

Dear E.coli:

Hello, please allow me to make a long story short.

recently we are on the mission to destroy Enteromorpha.

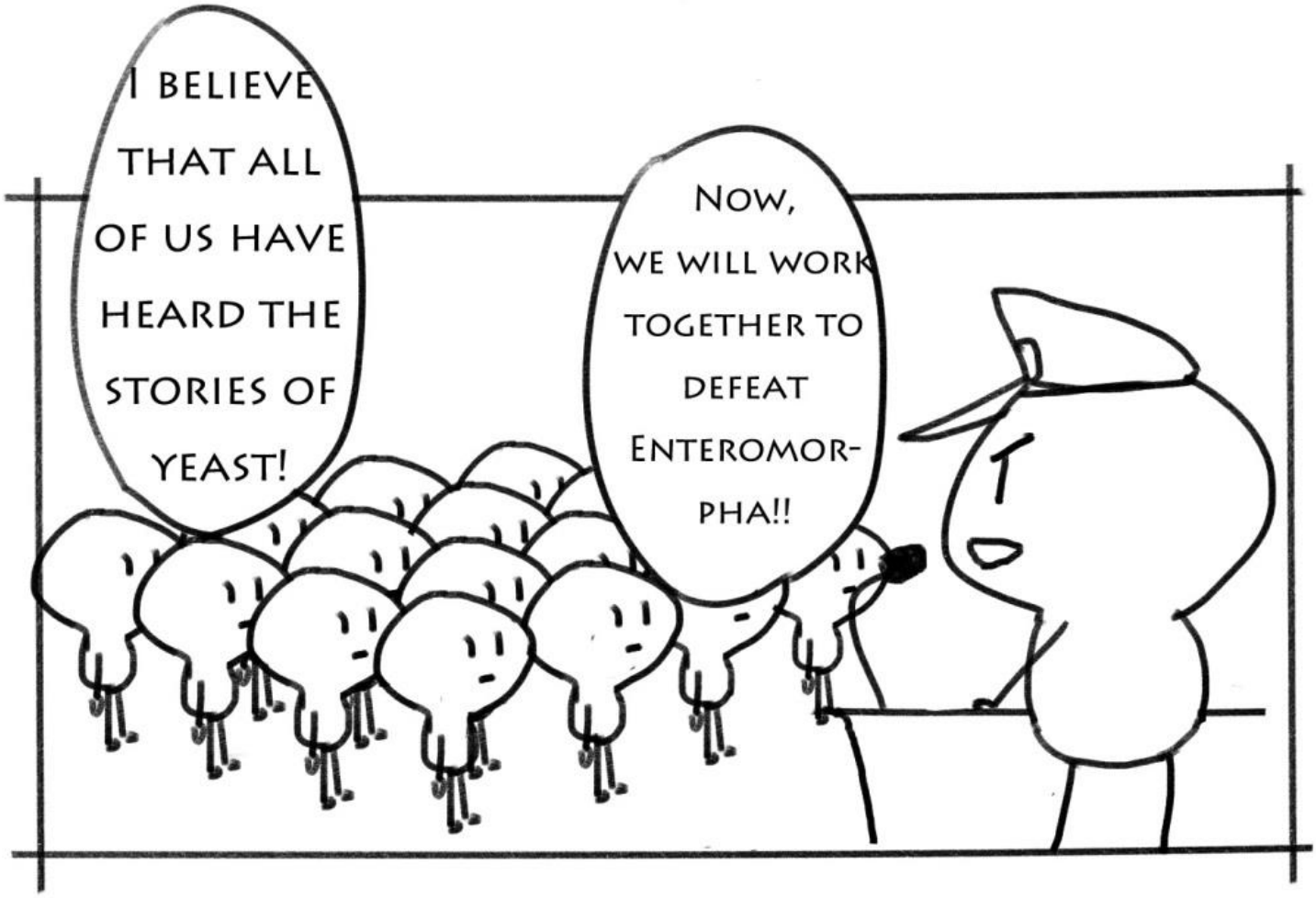
The specific principle is as follows:

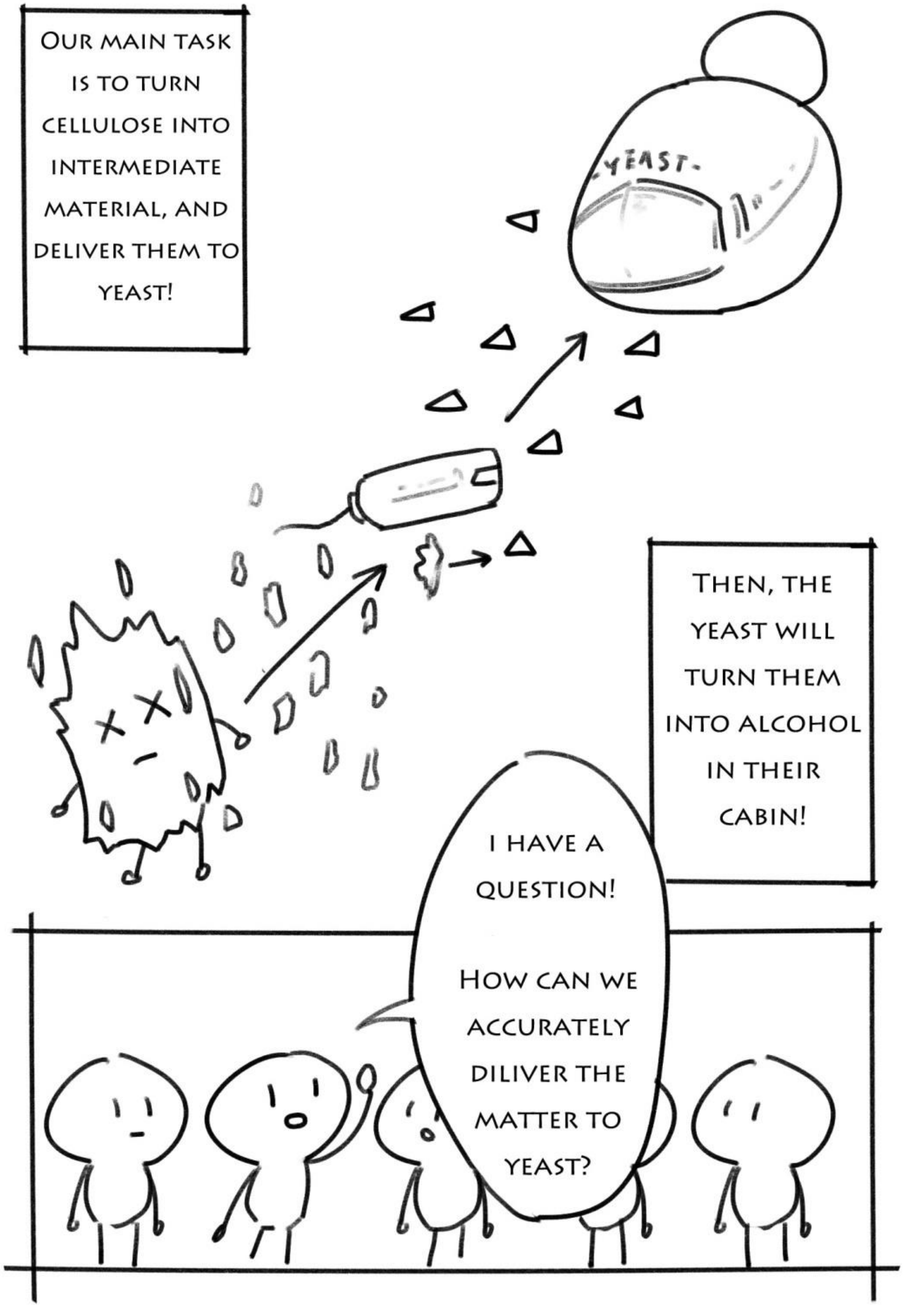


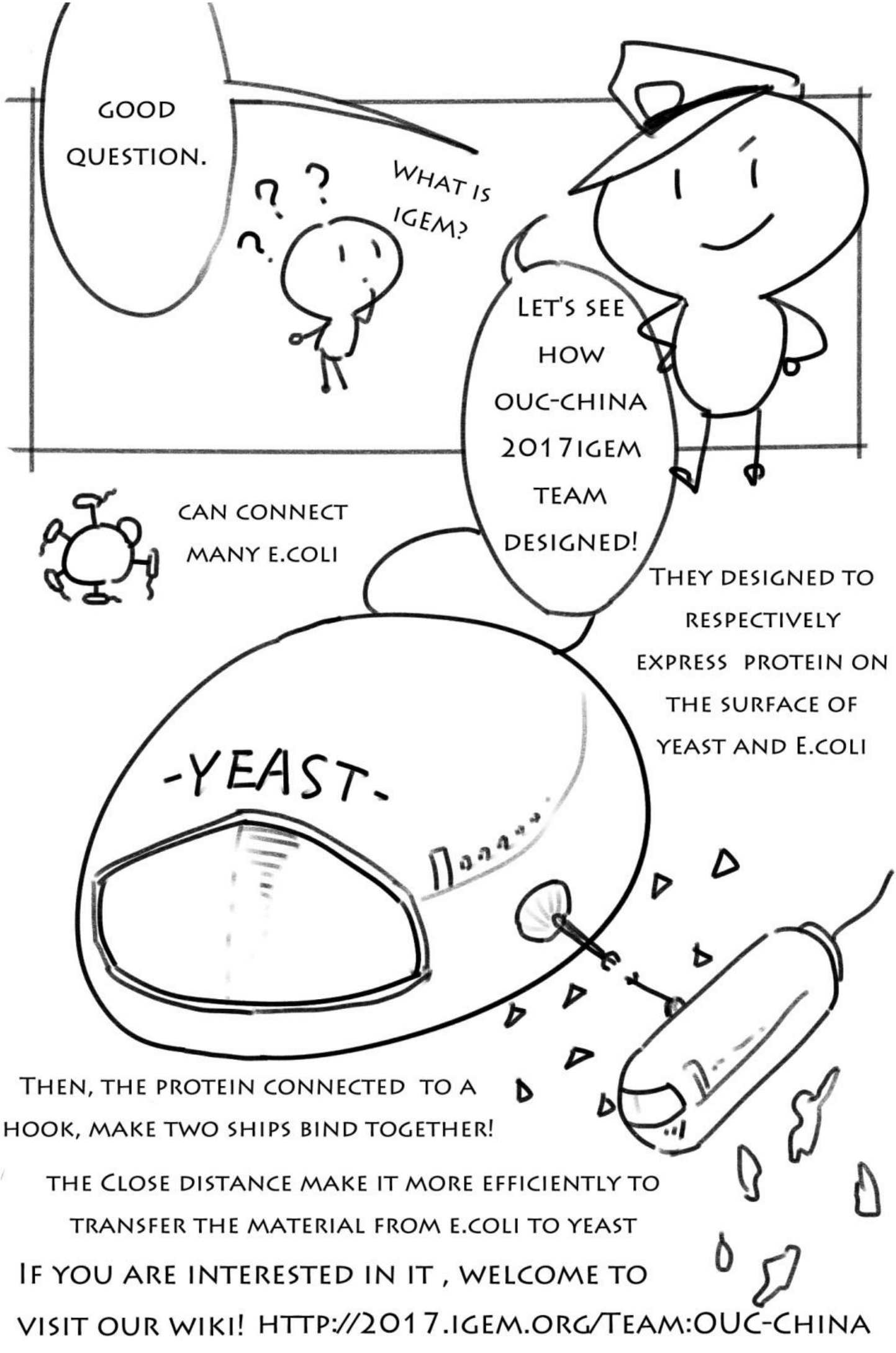

Now we have succeed in the latter step (turn intermediate material into alcohol).if we add the former step, The pressure will increase too much. Therefore, we hope you can help us complete the former step!

Here comes the chance of cooperation!

Five minutes later..




Our main task is to turn cellulose into intermediate material, and deliver them to yeast!
-YEAST-
Then, the yeast will turn them into alcohol in their cabin!
I have a question!
How can we accurately diliver the matter to yeast?


GOOD QUESTION.
WHAT IS IGEM?
LET'S SEE HOW OUC-CHINA 2017IGEM TEAM DESIGNED!
CAN CONNECT MANY E.COLI
THEY DESIGNED TO RESPECTIVELY EXPRESS PROTEIN ON THE SURFACE OF YEAST AND E.COLI
-YEAST-
THEN, THE PROTEIN CONNECTED TO A HOOK, MAKE TWO SHIPS BIND TOGETHER!
THE CLOSE DISTANCE MAKE IT MORE EFFICIENTLY TO TRANSFER THE MATERIAL FROM E.COLI TO YEAST
IF YOU ARE INTERESTED IN IT , WELCOME TO VISIT OUR WIKI! HTTP://2017.IGEM.ORG/TEAM:OUC-CHINA