

Title: Glass Stories Comics

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n.3, 2019 Editorial Board

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EDITORIAL



HI, HOW ARE YOU?

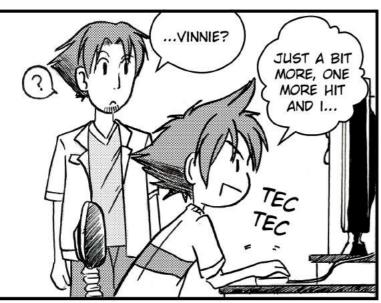
WE'RE BACK WITH THE THIRD ISSUE OF THE SERIES "GLASS STORIES"!

IN THIS THIRD ISSUE, VINNIE IS ON HIS COMPUTER PLAYING A GAME ON THE INTERNET WHEN SUDDENLY IT STOPS WORKING. WHAT SHOULD HE DO NOW?

MEANWHILE, MATTHEW DECIDES TO TELL HIM ABOUT OPTICAL FIBER, AND YOU WILL SEE THAT IT HAS A LOT TO DO WITH THE INTERNET THAT COMES TO OUR HOUSES!

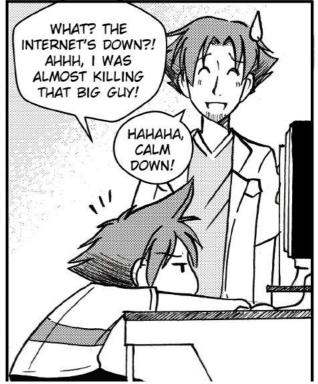
BUT WHAT DOES OPTICAL FIBER HAVE TO DO WITH GLASS?
TO FIND OUT, JUST TURN THE PAGE AND START READING THE STORY!



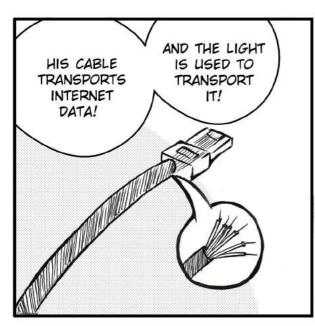




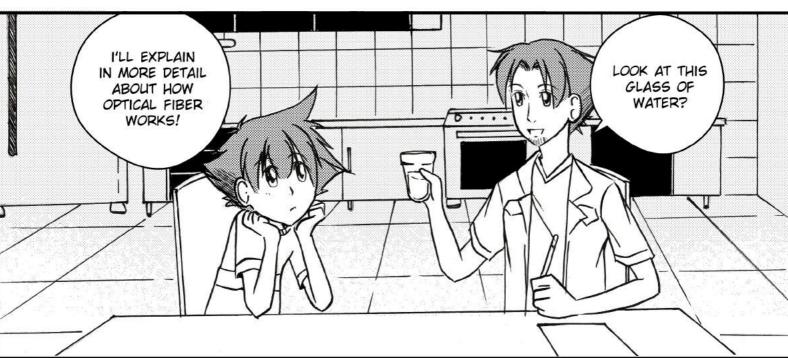


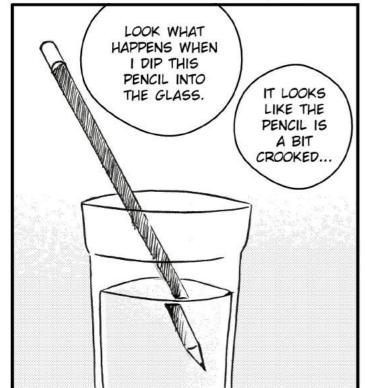






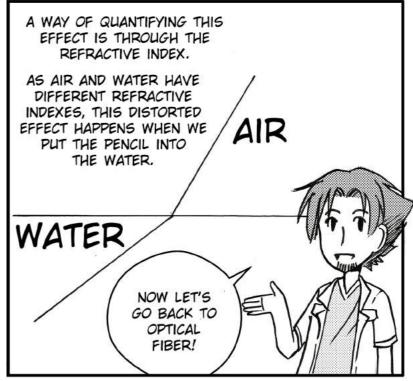




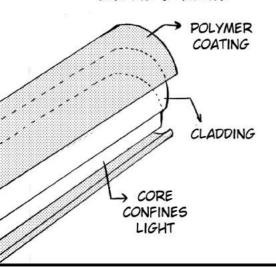






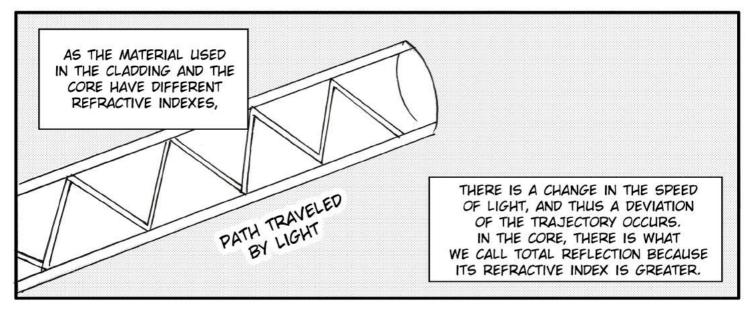


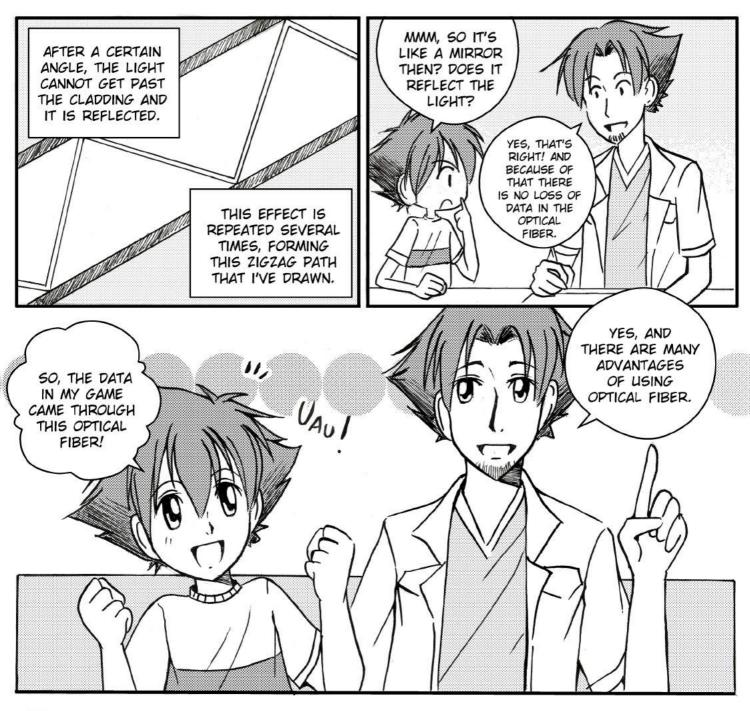
BEFORE I EXPLAIN IT TO YOU, DO YOU REMEMBER THE COMPONENTS OF OPTICAL FIBER? WE HAVE THE CLADDING, CORE AND POLYMER COATING (PLASTIC).









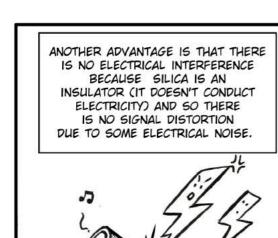




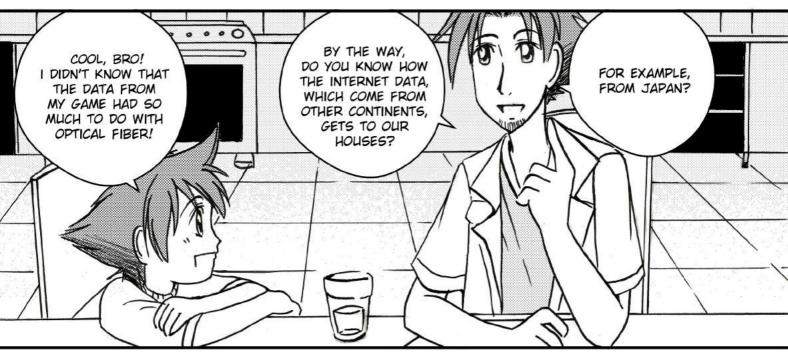
AS THE OPTICAL FIBER IS MADE OF GLASS, THE RAW MATERIAL TO MANUFACTURE IT IS SILICA (SILICON DIOXIDE).



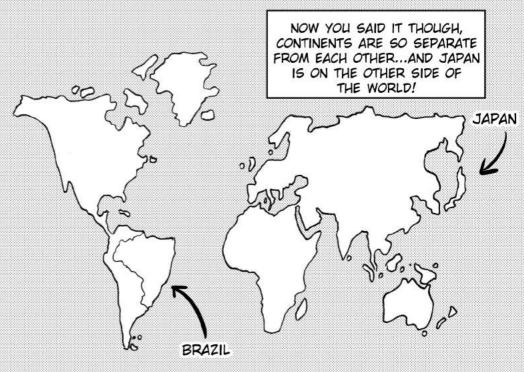
SILICA CAN BE FOUND IN SAND, AND IS THEREFORE AN ABUNDANT RAW MATERIAL IN NATURE, WHICH LOWERS THE MANUFACTURING COST.



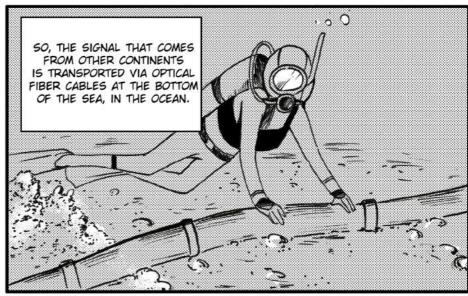


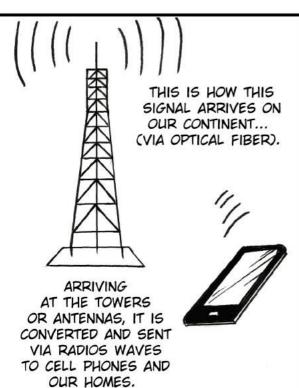












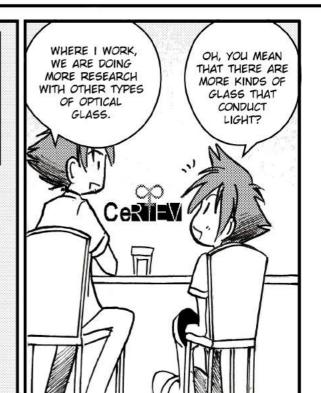




THE WORDS ARE KIND OF SIMILAR, AS THE TERM "PHOTO" COMES FROM "PHOTOS" OR "PHOS", WHICH MEANS "LIGHT" IN GREEK.

 $\begin{array}{c}
photos \\
or \\
phos
\end{array} = \text{light}$

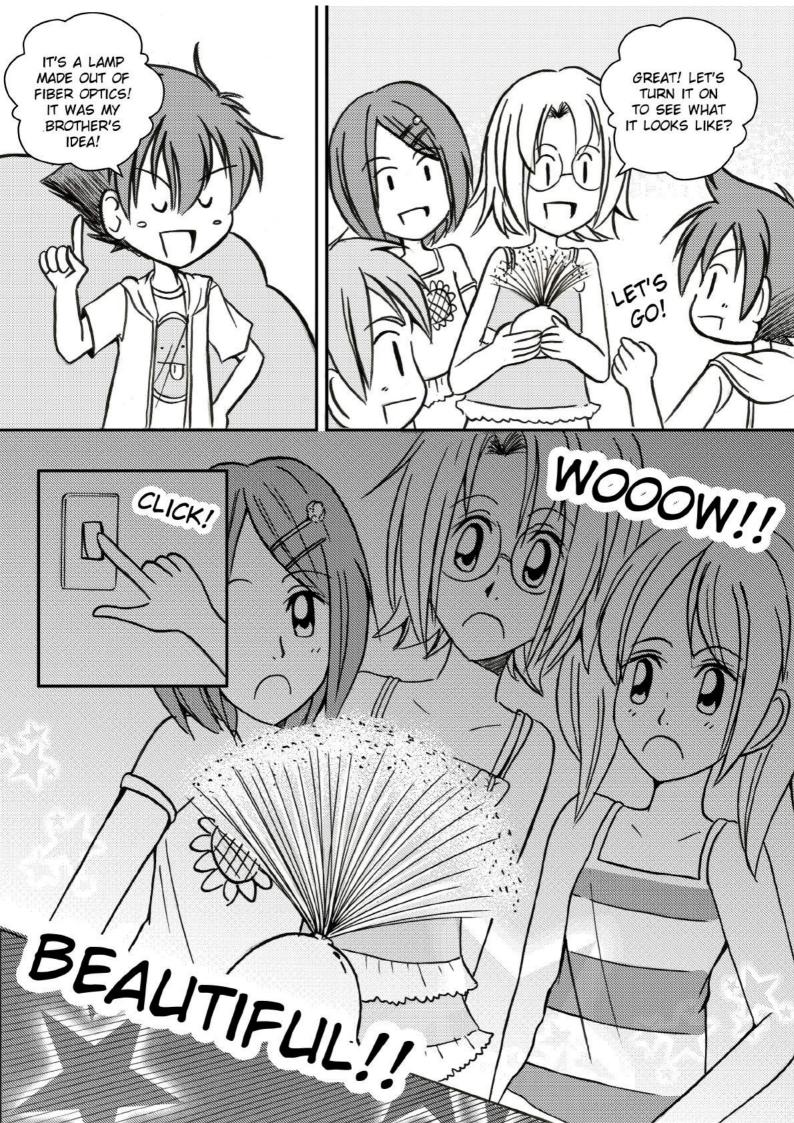
SO, PHOTONIC WOULD BE A SCIENCE THAT STUDIES LIGHT.



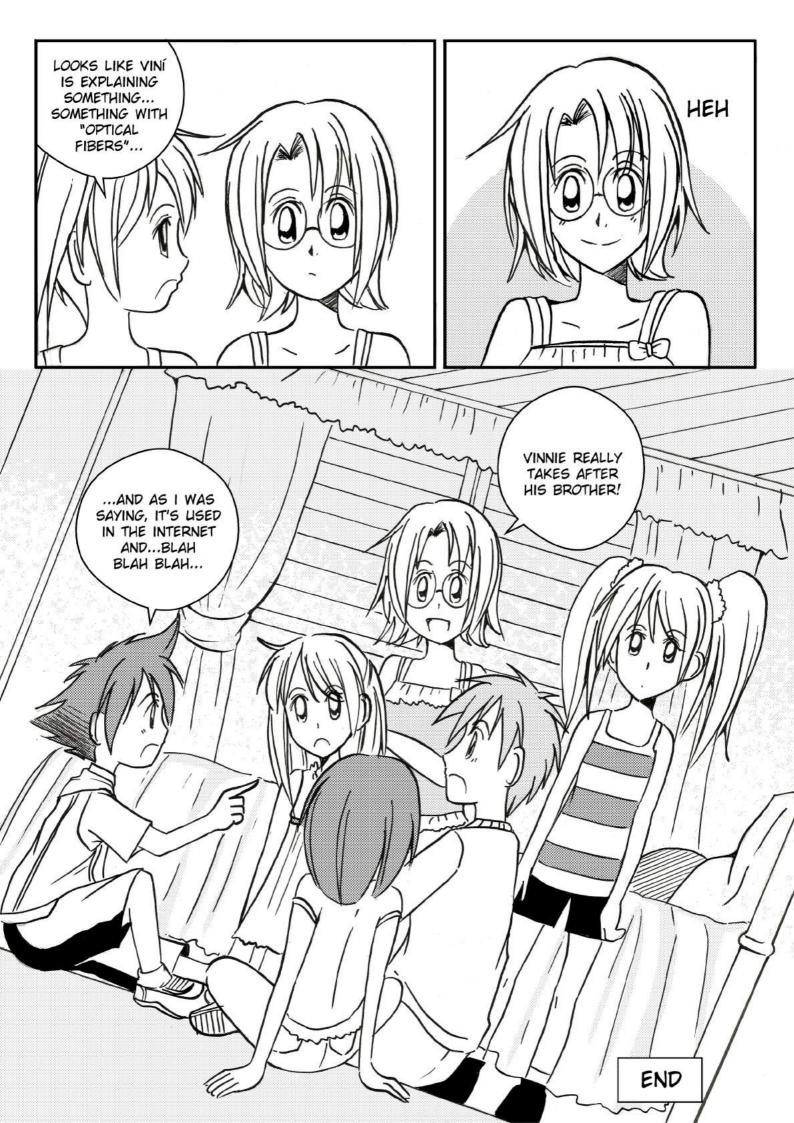












CROSSWORD PUZZLE



TEST YOUR KNOWLEDGE ABOUT OPTICAL FIBER!

		1. SCIENCE THAT STUDIES LIGHT. 2. MATERIAL THAT THE COATING OF THE OPTICAL FIBER IS MADE. 3. THE OPTICAL FIBER CAN MAKE EASIER. 4. THE WAY LIGHT TRAVELS THROUGH A CERTAIN MATERIAL. 5. THE SIGNAL THAT COMES FROM OTHER CONTINENTS COMES FROM THE OPTICAL FIBERS LOCATED IN THE 6. RAW MATERIAL FROM WHICH THE OPTICAL FIBER IS MADE. 7. THE CHALCOGENIDE GLASSES ARE USED IN DEVICES. 8. TYPE OF GLASS FORMED BY COMBINING VARIOUS DIFFERENT ELEMENTS. 9. MATERIAL THAT DOESN'T CONDUCT ELECTRICITY 10. THE OXIDE CAN BE USED IN GLASS FABRICATION. 11. THE SIGNAL COMES FROM THE OPTICAL FIBER. 12. THE OPTICAL FIBER MUST BE HANDLED WITH CARE BECAUSE IT IS											
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			9.	1									
10.			В									1	
11.				E							J		
	_			D	(4)]			

WORD SEARCH

INTERNET
OPTICAL FIBER
REFRACTION
PHOTONIC

FLUORIDE GLASS CHALCOGENS SILICA

AERYSPWBROVAWYAUYOLI ICCOGBMOWEVAVUXUEHPX BSYHOUQOXNFGXAGHLEKW IIDNAGEWPRERHXENVMWZ ALFBFQPBLTNUAPYBKDIN RIALMSMMRVIDACFPKASO UCPIUPKHPOYCVOTYUNQU TAQNNOHBTHFKAFJIGNFX ZKRTHTROOIKNPLJXOZNM NNBNPNEITQFPBPFNCNFK GXOGQCNRDOBZVYGIJQCE PIAEEKAWNENXTGAZBTUZ ZDYBUBSFBEGIANMIVEIG CXBPIXFVIGTLCQZSITRD SQVYCBDFIUNFAAFKZFFF OGISJYPJHGBMJSENTVJF UVCTOYBTJEOJWLSPCVGR TITATHVCHQNRDRRCAUNF BAODUVMOAMCHALCOGENS LYDVDVKHDEXHEBSAWVII

ANSWERS TO THE ACTIVITIES:

CROSSWORD PUZZLE:

- 1) PHOTONIC
- 2) POLYMER
- 3) COMMUNICATION
- 4) REFRACTION
- 5) OCEAN
- 6) SILICA
- 7) MEDICAL
- 8) FLUORIDE
- 9) INSULATOR
- 10) BISMUTH
- 11) INTERNET
- 12) FRAGILE

WORD SEARCH

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AERYSPWBROVAWYAUYOLI
J C C O G B M Q W E V A V U X U E H P X
BSYHQUQXNFGXAGHLEKW
IIDNAGEWPRERHXENVMWZ
ALFBFQPBLTNUAPYBKDJN
RIALMSMMRV
               FPKASO
UCPIVPKHPOY
             \Lambda 0/1
TAQNNQHBTHFKA
                 1 GNFX
        QQIKNP
GXOGQCNRDOBZVYGI
PJAEEKAWNEWXTGAZBTUZ
ZDYBUBSFBEGVANMIVE
CXBPIXFVIGTLQQZSIT
SQVYCBDFIUNFAAFKZFF
OGISJYPJHGBMJSENTVJ
UVCTOYBTIEOIWLSPCVGR
TITATHVCHQNRDRRCAUNF
BAODUVMOAMCHALCOGENS
LYDVDVKHDEXHEBSAWVII
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CREATED BY:



SUPPORTS



