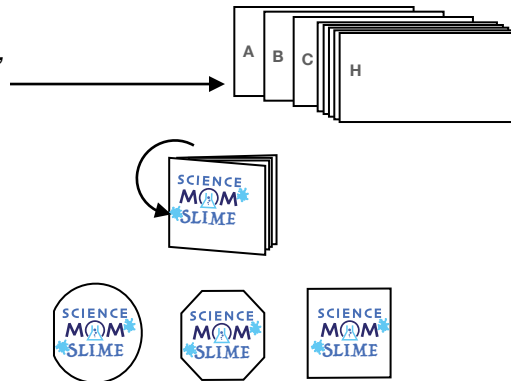


HOW TO MAKE THIS BOOK:

1. Print the document so that the pages are double sided. For best results, print to scale (be sure NOT to have "fit to page" selected.)
2. Use scissors to cut the papers into strips following the dotted lines
3. Lay the strips so that the letters are facing you, from A to H
4. Fold the papers in half with the letters on the inside of the fold and the cover on the outside.
5. Staple along the crease or use thread or floss and a needle to bind the pages together.
6. Use a strong pair of scissors or a paper cutter to trim the outside edge containing the letters (optional). The book can then be cut into a rounded, octagonal, or square shape.



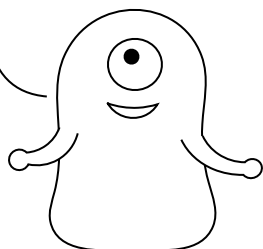
YouTube Channel:
Science Mom

HOW TO MAKE IT AND
WHY IT WORKS!

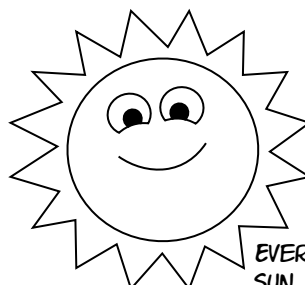
H

LET ME ASK YOU AN INTERESTING QUESTION: HOW DO YOU KNOW IF SOMETHING IS SAFE?

TAKE SUNLIGHT, FOR EXAMPLE. IS SUNLIGHT EXPOSURE SAFE?

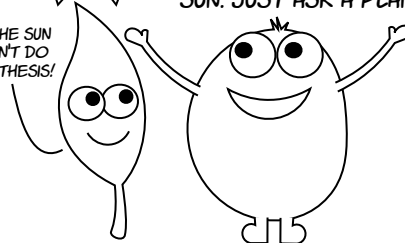


13



WITHOUT THE SUN WE COULDN'T DO PHOTOSYNTHESIS!

OF COURSE! EVERYONE LOVES THE SUN. JUST ASK A PLANT!



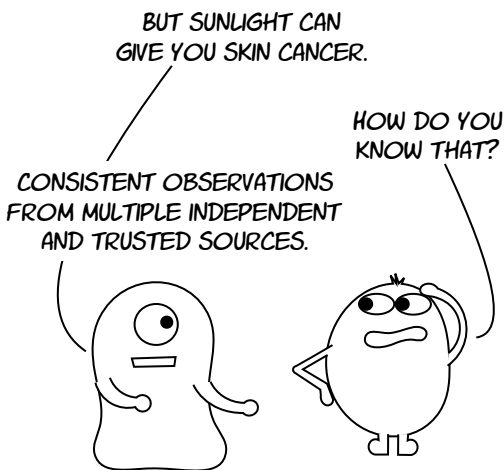
14

A

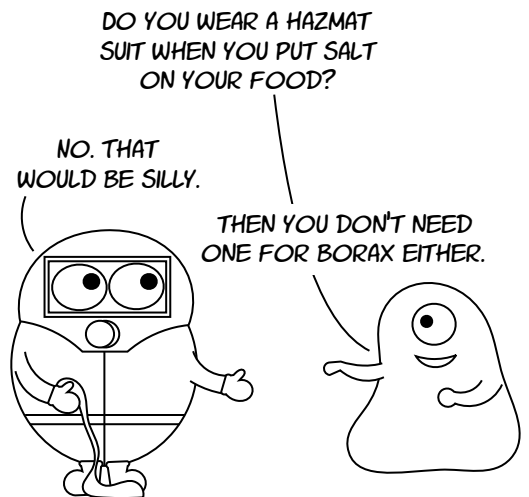
THE END

This printable book and more awesome science handouts are available as FREE downloads from both www.JennyBallif.com and www.patreon.com/JennyBallif

If you enjoy them, sign up on Patreon to support Science Mom and get access to extra videos and worksheets.



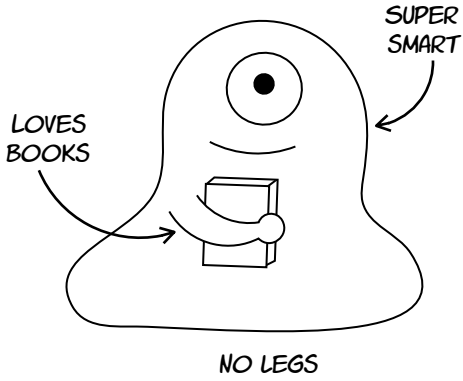
15



12

THIS BOOK IS
BROUGHT TO YOU BY:
THE ONE-EYED BLOB

B



1

1. STRETCH

HOW FAR CAN IT STRETCH?

2. SNAP

PULL IT APART FAST AND HEAR IT SNAP!

3. BOUNCE

ROLL IT INTO A BALL AND DROP IT!

4. WATCH IT OOZE

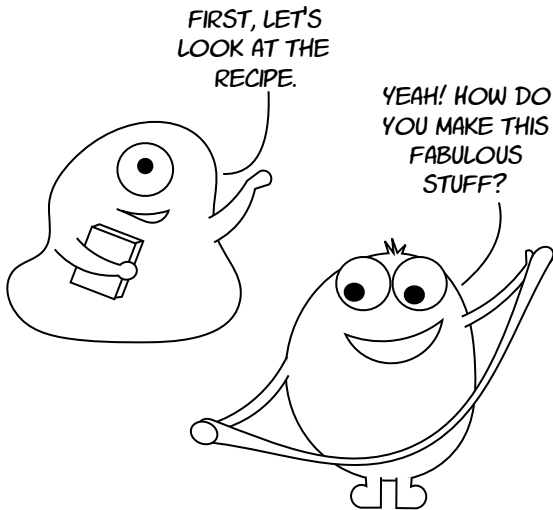
EWWW! SO COOL!

5. SQUELCH AND POP

CAN YOU MAKE AIR BUBBLES IN THE
SLIME AND THEN POP THEM?

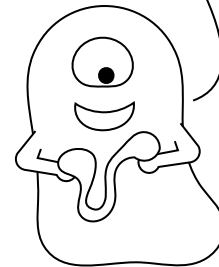
26

C



3

YES, SLIME IS SAFE.*



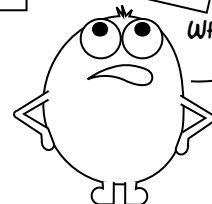
*AS LONG AS YOU DON'T EAT IT OR PLAY
WITH IT EVERY DAY FOR HOURS FOR
MONTHS ON END, OR HAVE SOME
UNUSUAL ALLERGY OR SKIN SENSITIVITY.

24

D

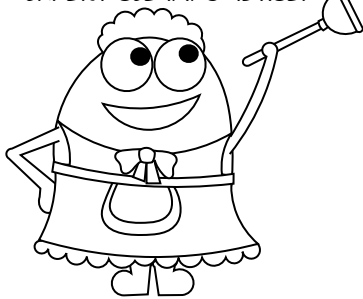


5



22

AND NOW, SOME
EXPERT CLEANING ADVICE!



REMOVING SLIME FROM CARPET OR CLOTHING:

Let soak in warm soapy water till soft, then brush or rub it off.
For stubborn stains, use white vinegar. Do not put clothing
with slime in the drier. The heat will cement it to the
clothing and might make it impossible to remove.

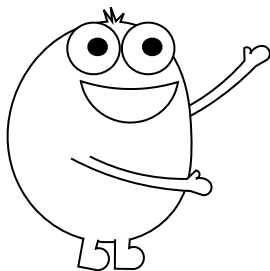
27



DID YOU KNOW?

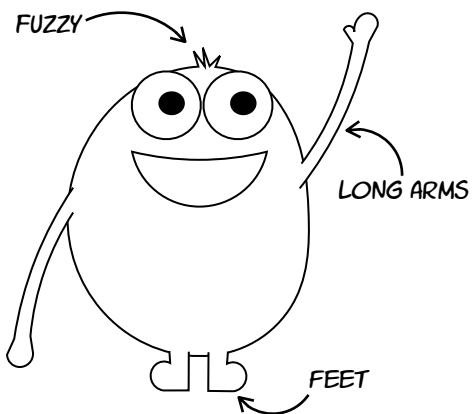
THERE'S A YOUTUBE VIDEO THAT
GOES ALONG WITH THIS BOOK!
IT'S CALLED "THE SCIENCE
BEHIND SLIME."

HERE ARE FIVE AWESOME
THINGS YOU CAN DO WITH
YOUR SLIME! CHECK THE BOX
WHEN YOU TRY THEM!



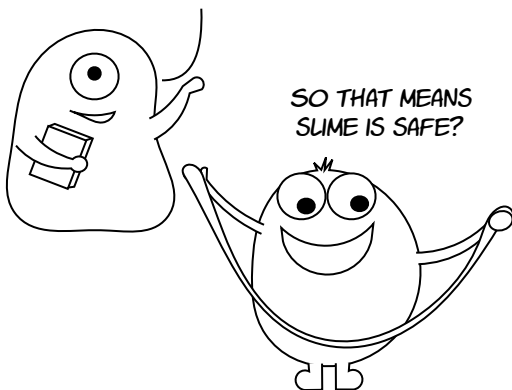
25

AND THE CURIOUS CRITTER:



2

ALWAYS MAKE SURE TO USE
YOUR BRAIN AND EVALUATE THE
SOURCES AND CIRCUMSTANCES.



SO THAT MEANS
SLIME IS SAFE?

23

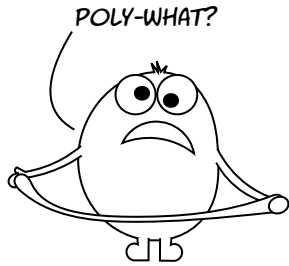
THE RECIPE

- Mix together:
 - 4 oz glue (1/2 cup)
 - 2 oz water (1/4 cup)
 - 1/2 Tbsp baking soda (7 mL)
 - Food coloring
- Add 1 Tbsp (15 mL) contact solution to the mixture and stir thoroughly for at least 1 minute. If the slime is too tacky, add a few more drops of contact solution.

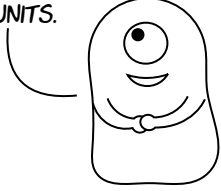
*NOTE: CONTACT SOLUTION THAT DOESN'T
CONTAIN BORIC ACID WILL NOT WORK.

4

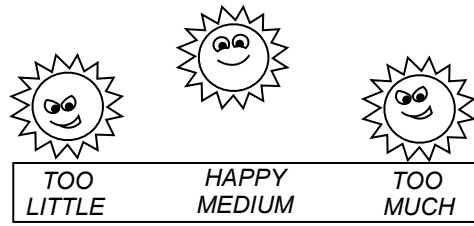
E



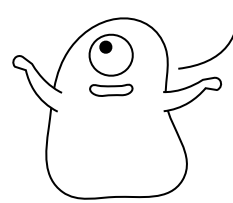
A POLYMER IS A LONG STRAND OF REPEATING UNITS.



7



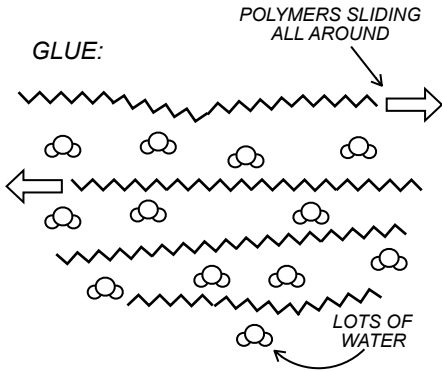
IT'S THE AMOUNT OF SUNLIGHT THAT MATTERS. TOO LITTLE OR TOO MUCH CAN BOTH BE HARMFUL. SAFETY IS ALL ABOUT BALANCE.



20

F

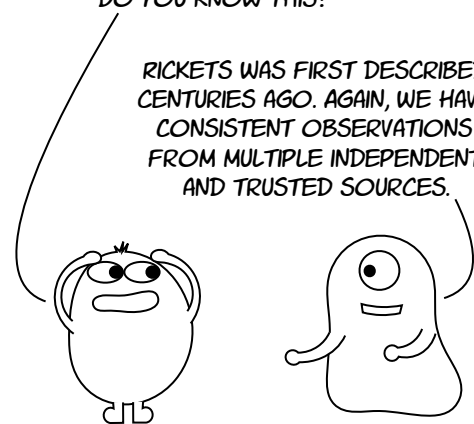
GLUE HAS A LOT OF WATER, AND THAT LETS THE STRANDS OF PVA SLIDE PAST EACH OTHER EASILY.



9

WAIT A SECOND. HOW DO YOU KNOW THIS?

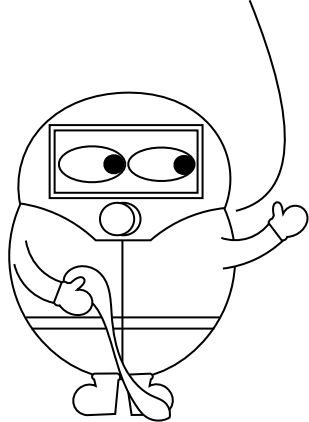
RICKETS WAS FIRST DESCRIBED CENTURIES AGO. AGAIN, WE HAVE CONSISTENT OBSERVATIONS FROM MULTIPLE INDEPENDENT AND TRUSTED SOURCES.



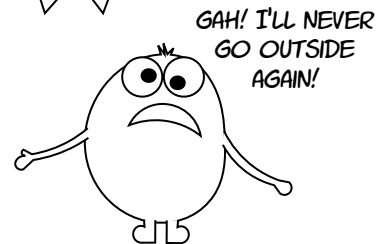
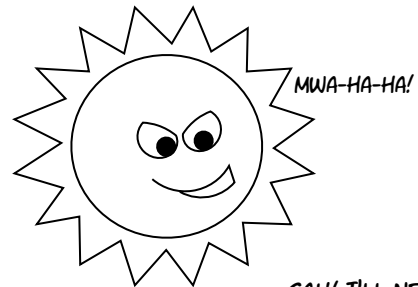
18

G

WAIT, ISN'T BORAX DANGEROUS?! SHOULD I GET A HAZMAT SUIT?

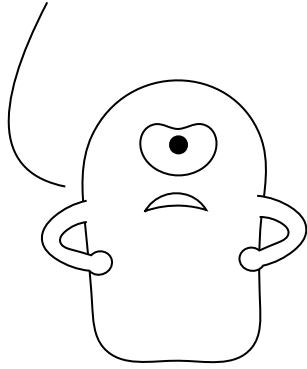


11



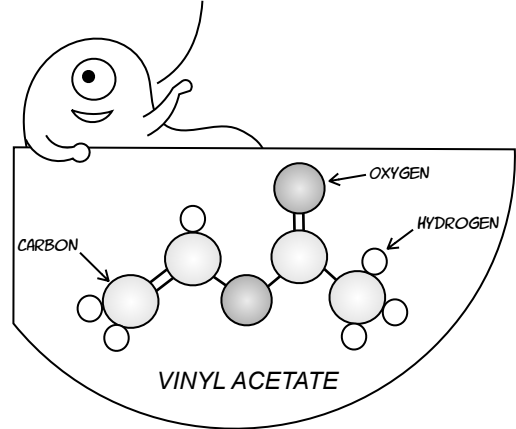
16

AND TO MAKE MATTERS WORSE,
THERE'S A LOT OF MISINFORMATION
FROM UNTRUSTED SOURCES.



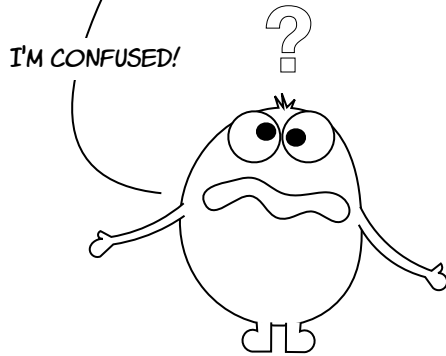
21

WELL, GLUE IS A
POLYMER OF
VINYL ACETATE.



6

SO IS SUNLIGHT BAD,
OR GOOD?



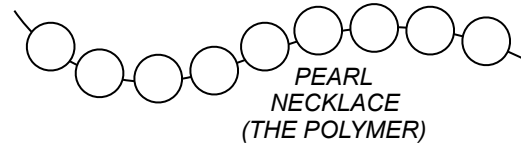
I'M CONFUSED!

19

JUST LIKE PEARLS STRUNG
TOGETHER MAKE A NECKLACE,
PIECES OF VINYL ACETATE STRUNG
TOGETHER MAKE POLY VINYL
ACETATE, OR PVA.



PEARL

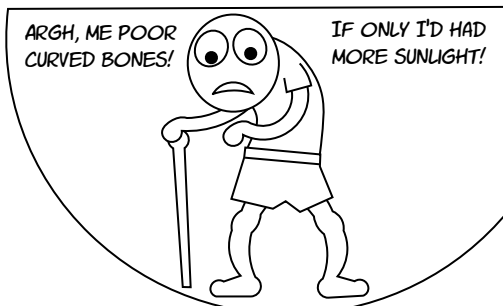


PEARL
NECKLACE
(THE POLYMER)

8

BUT WITHOUT SUNLIGHT,
YOU CANT MAKE VITAMIN D, AND
WITHOUT VITAMIN D THE IMMUNE SYSTEM
WEAKENS AND THE BONES DECAY.

RICKETS, A PAINFUL DISEASE CAUSED
BY HAVING TOO LITTLE VITAMIN D:



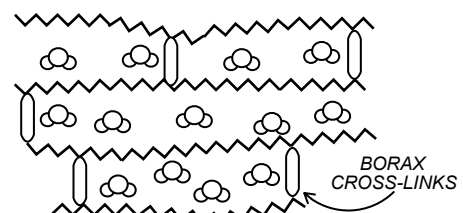
ARGH, ME POOR
CURVED BONES!

IF ONLY I'D HAD
MORE SUNLIGHT!

17

BUT WHEN YOU ADD
SOMETHING WITH BORAX OR
BORIC ACID, THE STRANDS BECOME
LINKED TOGETHER. THIS IS WHAT
CHANGES THE STICKY GLUE INTO SLIME.

SLIME:



10