

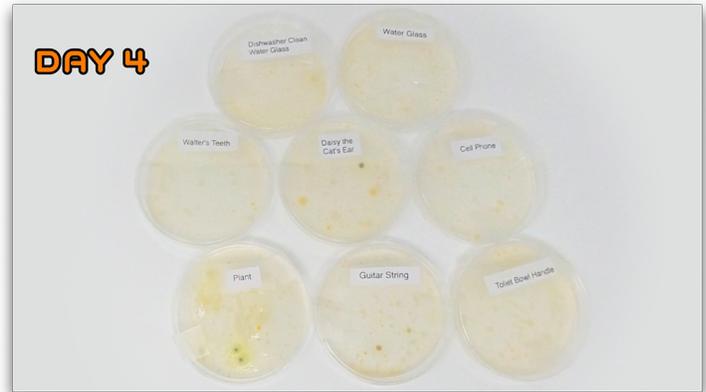
GROWING BACTERIA CULTURES!

For this experiment, we ordered a Bacteria Culture Kit so we could sample household items and see what kind of bacteria grows all around us!

Seaweed Solution Laboratories
Bacteria Culture Kit
<https://amzn.to/3Dy1Foc>

MATERIALS

- PETRI DISHES
- AGAR
- COTTON SWABS
- BACTERIA SAMPLES
- LOTS OF TIME



PROCEDURE

1. IN A SMALL POT, MIX 10 GRAMS OF NUTRIENT AGAR IN 350ML DISTILLED WATER AT ROOM TEMPERATURE. BRING TO A BOIL, STIRRING PERIODICALLY.
2. LEAVE TO COOL FOR 20 MINUTES.
3. POUR A SMALL AMOUNT INTO EACH PETRI DISH, JUST ENOUGH TO COVER THE BOTTOM. YOU DON'T NEED ANY MORE THAN THAT AND CAN DISPOSE OF THE REST. WE SUGGEST LETTING IT SET (SEE STEP 4) AND USING THE GARBAGE, NOT THE SINK.
4. PUT THE LIDS ON YOUR PETRI DISHES AND LEAVE THEM TO SIT FOR ANOTHER 20 MINUTES. YOU SHOULD START TO SEE THE AGAR SOLIDIFY AND BECOME MORE JELLY-LIKE.
5. USING THE COTTON SWABS TO COLLECT SAMPLES. YOU RUB THE SWAB OVER AN ITEM OR AREA, LIKE UNDER YOUR FINGERNAILS OR A COMMONLY USED HANDLE.
6. GENTLY SCRAPE THE COTTON SWAB OVER THE AGAR. TWIST IT, RUB A COUPLE TIMES, JUST TRY TO MAKE SURE YOU'RE TRANSFERRING SOME OF THE BACTERIA FROM THE SWAB.
7. PUT YOUR PETRI DISHES SOMEWHERE WARM THEN SIT BACK, BE PATIENT, AND OBSERVE AS YOUR BACTERIA GROW! OURS TOOK A COUPLE DAYS BEFORE THEY STARTED SHOWING BIG SIGNS OF GROWTH BUT IT WAS WORTH IT BECAUSE THEY BECAME VIBRANT COLONIES AFTER THAT! TAKE LOTS OF NOTES OR PICTURES AND SHARE YOUR RESULTS!

THIS EXPERIMENT IS DIFFICULT, CAN BE DONE WITH SOME HOUSEHOLD ITEMS, REQUIRES A SPECIAL KIT, NEEDS A STOVE, AND REQUIRES TIME AND PATIENCE FOR SUCCESS, BEST DONE WITH ADULT SUPERVISION.

