[To The Extremophile Campaign: In Your Home]

Extremophiles In Your Home Datasheet

1) Find a weird substance growing in your home. We're looking for extreme environments, like hot/cold/dry/high radiation where microorganisms might grow. Nutrient-rich areas (like sink drains) are not extreme - it's easy for microorganisms to grow there! A showerhead is extreme because it experiences a wet/dry cycle and has few nutrients flowing through it. 2) Take a photo of it. 3) Answer the questions about what you observed. 4) Type ONLY your ZIPCODE into the location search. We don't need your personal address. NOTE: We cannot use observations of: aquariums, nutrient-rich environments like sink drains, human or animal waste, any animal parts or fluids, insects, or food.

Observation Date * Observation date

The Observation date field is required

Observer * James H

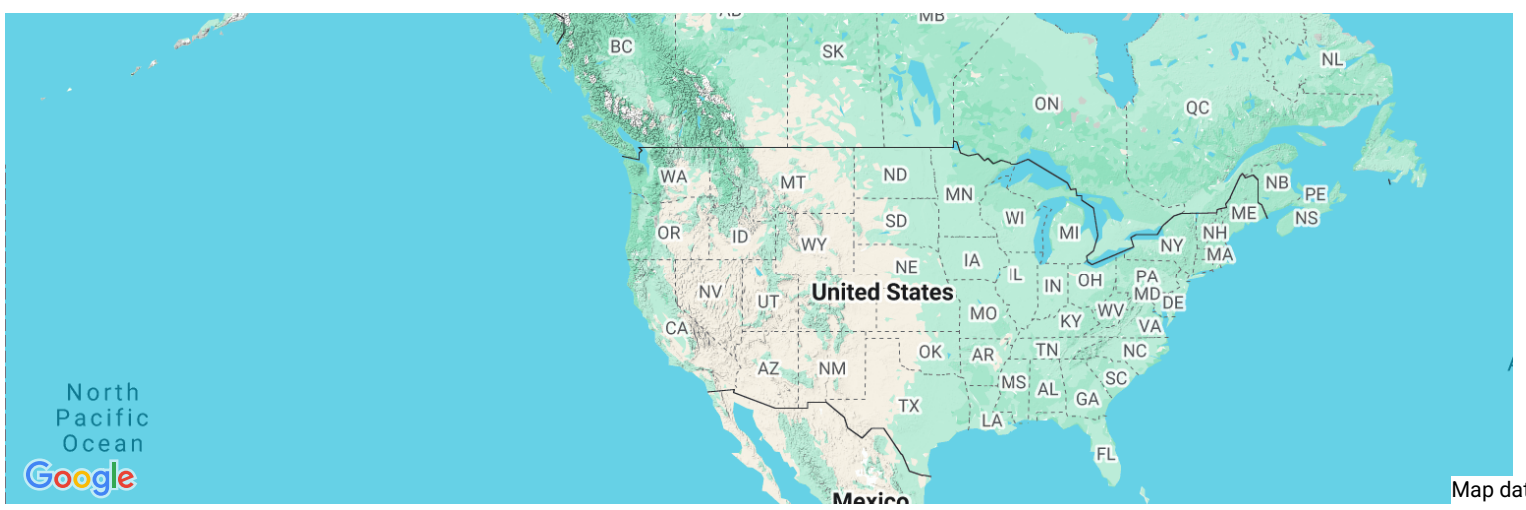
Location *

Name * Location name

Latitude * Latitude

Longitude * Longitude

Address, City, Landmark SEARCH



What is your current opinion of microbes? * - Please Select -

What are 2+ words that come to mind when you think about microbes?

Did you observe a weird substance growing somewhere in or around your home? * - Please Select -

If you answer "No", tell us about where you looked and skip questions that don't apply

Write a short description:

Example: I sampled the drain area of my dishwasher where something weird keeps growing.

If scientists think your observation should be sampled, are you willing to send a sample in for sequencing?

- Please Select -

If you say yes, please don't clean up your observation in the meantime or there won't be anything to sample!

What part of your home did you observe?

- Showerhead
- Microwave
- Dishwasher
- Washing machine
- Dryer
- Water heater
- Gas water or home heater condensation tube
- Air conditioner drip tray in attic or crawlspace
- Air conditioner drip tray outside
- Refrigerator/freezer/ice machine drip tray or line
- Solar panels
- Rain barrels or gutters
- Other area

If "Other area", describe where:

Please consider adding a post to the project Forum about where you observed. We may decide to add it to the dropdown list for others to use.

Is the location indoors or outdoors?

- Please Select -

What is the texture you observed?

None

A biofilm forms when bacteria adhere to surfaces in moist environments by excreting a slimy, glue-like substance (Source: Montana State University). Dental plaque on your teeth is an example of biofilm.

If "Other", describe the texture you observed.

Please consider adding a post to the project Forum about the texture you observed. We may decide to add it to the dropdown list for others to use.

What is the general temperature of the environment you observed?

- Freezing
- Colder than room temperature but warmer than freezing
- Room temperature
- Hotter than room temperature but not steaming
- Steaming hot

How wet is the location you observed?

- Dry
- Wet
- Alternates between dry and wet (for example, maybe there is a puddle of water sometimes that dries up, gets wet, dries up again, etc.)

Describe the lighting conditions in the location you observed.

- Direct sunlight all day
- Indirect sunlight all day
- Partial sunlight/Partial shade
- Lit only by artificial lighting
- Usually completely dark

What are the predominant colors of the substance you observed?

- Please Select -

What does the substance smell like?

- Please Select -

If "Other", describe the smell you observed.

Estimate the size of the substance.

- Small, thin film (less than a quarter)
- Larger, thin (like a sheet of paper)
- Thick like a piece of cardboard or thicker
- Big blob like jelly a teaspoon or more of jelly
- Bigger than a teaspoon of jelly but smaller than an average shoe box
- Bigger than a shoebox

Size helps us estimate how much microbial activity might be taking place.

Have you observed the substance growing in size or mass, or does it keep coming back?

- Yes
- No

For example, was the substance the size of a coin one day and the size of your shoe sometime later?

Any other notes or comments?

If you have a question, please post it to the Forum for a quicker response.

Add at least one photo of the substance you observed (optional).

PRESS HERE TO CHOOSE IMAGE FILE

Add a second photo of the substance (optional).

PRESS HERE TO CHOOSE IMAGE FILE

Add a third photo of the substance (optional).

PRESS HERE TO CHOOSE IMAGE FILE

Where did you hear about this project?

- Two Frontiers communication
- Seed communication (not Instagram)

Seed Instagram post

Somewhere else

Sample Kit ID (Project Managers Only)

This field is for project managers only.

SUBMIT