

SAFETY FIRST

Always wash your hands before and after this activity. Wear gloves when touching the plates. Never open a plate once it has been closed. Tell a grown-up if anything looks black or green.

MY PREDICTIONS

Before we start, write or circle your answers:

The surface I think will be the DIRTIEST is: _____

The surface I think will be the CLEANEST is: _____

A surface that might SURPRISE me is: _____

MY PLATES

Draw each petri dish after you swab and seal it. Write the surface name underneath each one.

Plate 1: _____

Plate 2: _____

WHAT I SAW (after waiting 48 to 72 hours, do NOT open the plates)

Draw what each plate looks like now. Use dots or blobs to show the colonies.

Plate 1: _____

Plate 2: _____

WERE MY PREDICTIONS RIGHT?

The dirtiest surface turned out to be: _____

I was: RIGHT / WRONG / SURPRISED

The cleanest surface turned out to be: _____

I was: RIGHT / WRONG / SURPRISED

I LEARNED THAT

Each dot or blob on my plate is called a _____.

Bacteria reproduce by splitting in two, which is called _____.

For billions of years, all life on Earth was single-celled like bacteria.

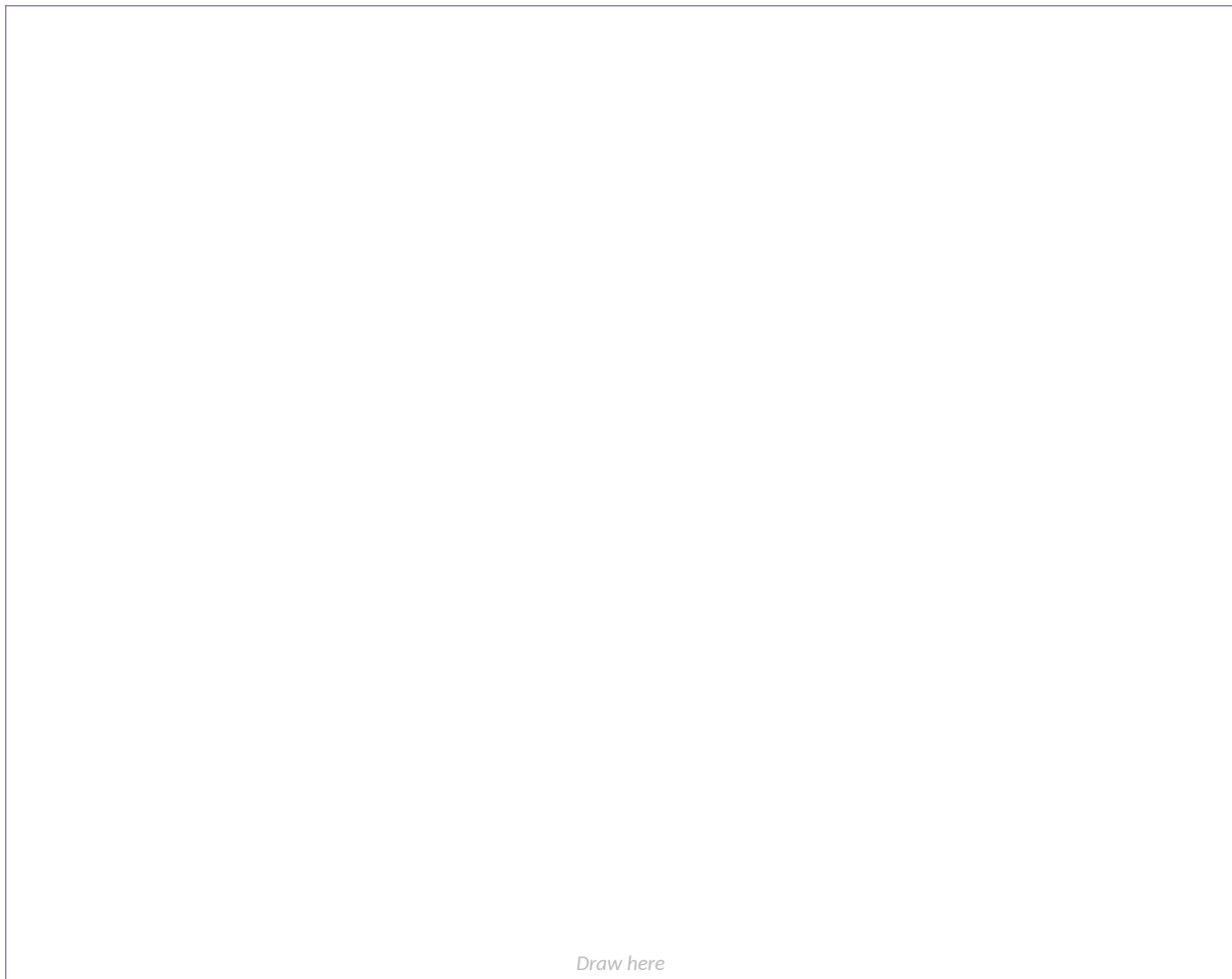
IS YEAST ALIVE?

Before we start, circle your prediction:

- Yeast IS a living thing
- Yeast is NOT a living thing
- I'm not sure

WHAT I SEE

Draw what happened in your yeast cup after a few minutes.



Draw here

CHECKING THE LIST

Does yeast show each characteristic of life? Circle YES or NO:

- Uses energy (eats sugar): YES / NO
- Produces gas (a sign of metabolism): YES / NO
- Is made of cells: YES / NO
- Can reproduce: YES / NO

I LEARNED THAT

Yeast is a _____-celled living organism.

For billions of years, all life on Earth was _____ like yeast.

Yeast shows it is alive by producing _____ bubbles when it eats sugar.
