

Microbelab — Concept Poster

Print this and pin it up — an at-a-glance map of the Microbelab cast and the ideas each one carries. Come back to it whenever you want to remember who teaches what.

Spark & Anvil is a 501(c)(3) public charity. Every app, story, and book is free, forever — no ads, no in-app purchases, no tracking. Released under Creative Commons BY-NC-SA 4.0 for educational reuse.

Meet the cast — and what each one teaches

Character	What they carry
Lacto	Lactobacillus + helpful-bacteria — 'Friend in your food. Friend in your gut.'
Yeast	Saccharomyces + helpful-fungi — 'I make air inside bread.'
Photo	Cyanobacteria + photosynthetic-microbes — 'Sunlight. Then air. Then everything else.'
Net	Mycorrhizal-fungi + nitrogen-fixers — 'Forests talk through me.'
Spore	Pathogens (opt-in gated) — 'Some friends. Some not. All real.'
Guard	Immune cells (T-cell / macrophage / B-cell) — 'I check IDs. Patient + careful.'
Crumble	Decomposer microbes that break down dead leaves and scraps into rich soil, so nothing is wasted and everything begins again.
Thrive	Extremophile microbes that make a home in the hottest, coldest, saltiest places, showing life finds a way almost anywhere.
Shimmer	Bioluminescent microbes that turn energy into their own soft glow, lighting ocean waves and partnering with animals like tiny lanterns.
Colony	Microbes that build biofilms together, cooperating and protecting each other, because they are far stronger as a community than alone.

Keep exploring online

- Play it now: <https://sparkanvil.org/play/microbelab>
- Meet the cast: <https://sparkanvil.org/cast/microbelab>

- **More free books:** <https://sparkanvil.org/books>