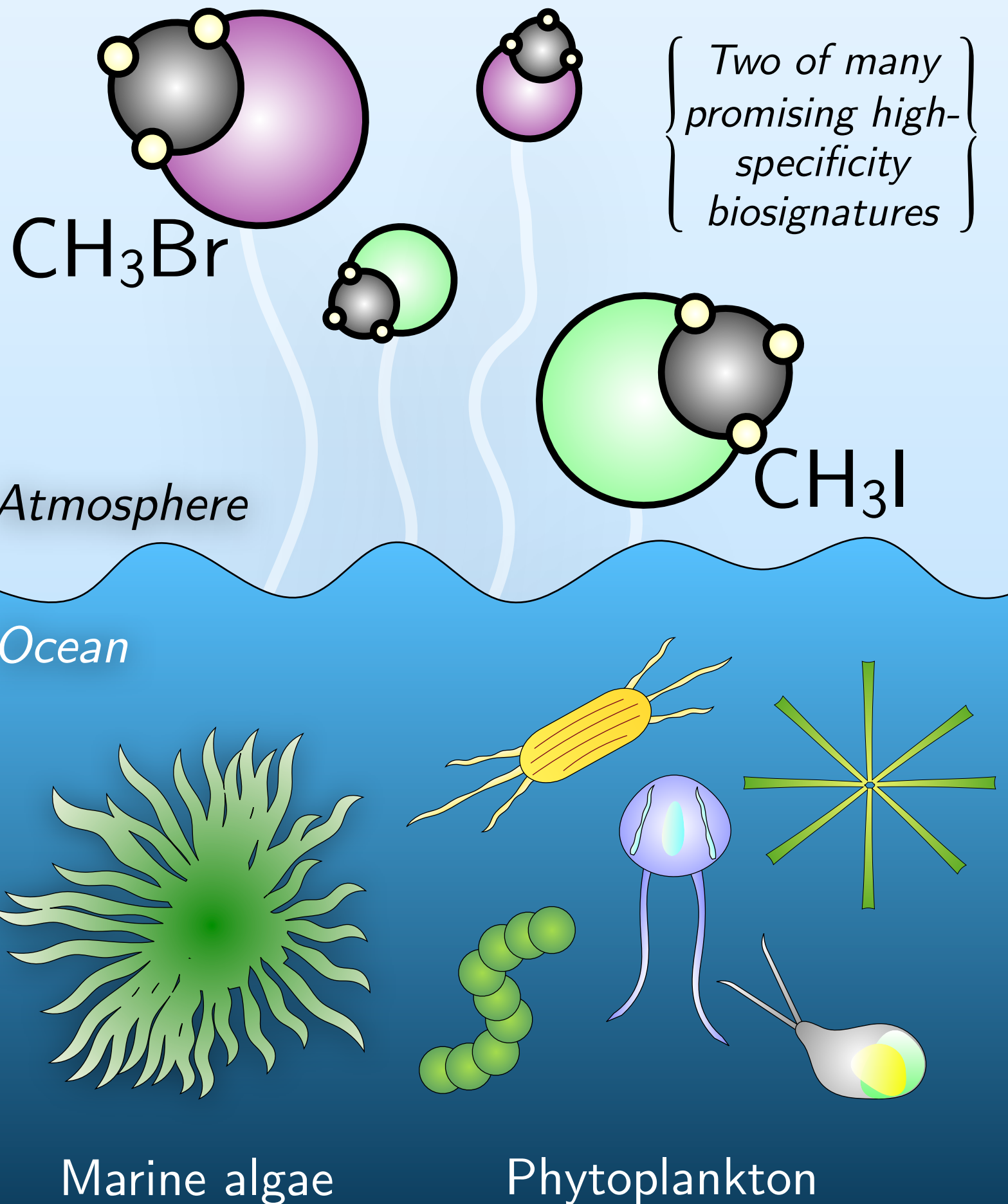


1 LIFE GENERATES

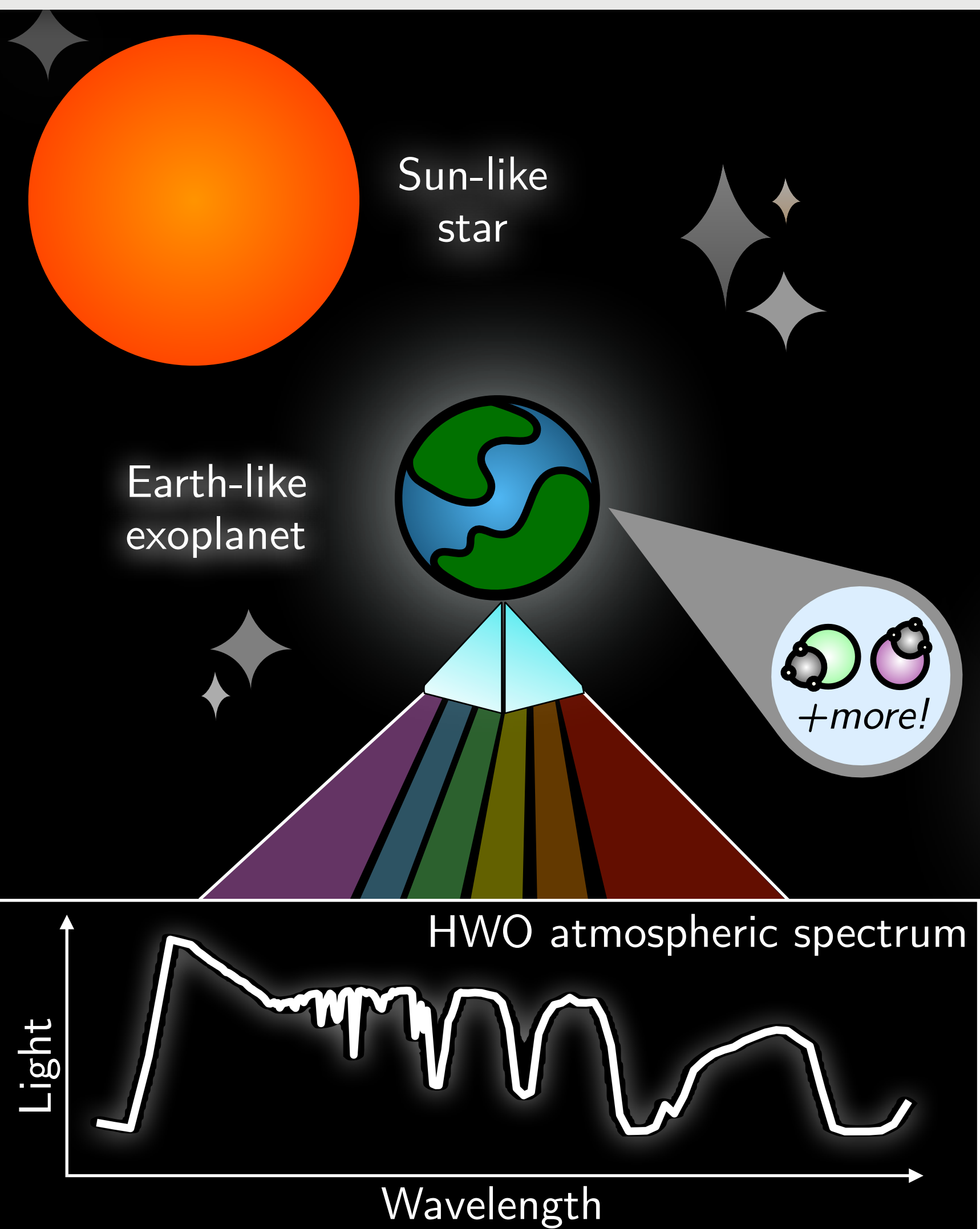
High-specificity biosignatures like methyl halides are produced by life more efficiently than abiotic processes.

Marine life produces CH_3Br and CH_3I 200x more efficiently than non-living phenomena.



2 HWO OBSERVES

HWO will measure spectra as atmospheric gases, including biosignatures, absorb starlight passing through exoplanet atmospheres.



3 MODELS IDENTIFY

To find life, we must identify biosignature gases like methyl halides from absorption dips in HWO spectra.

