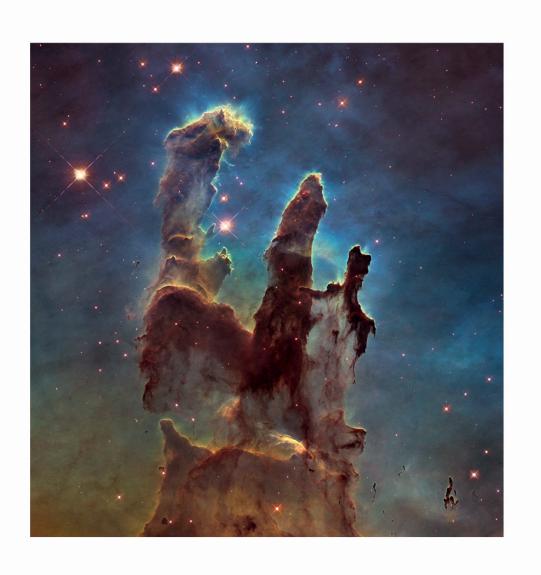
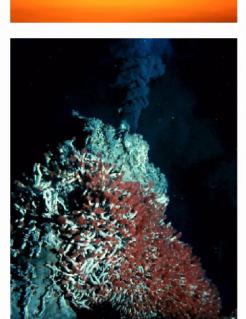
Habitable Environments

Life (as we know it)
requires Carbon,
Hydrogen, Nitrogen,
Oxygen, Phosphorus
and Sulfur (CHNOPS).
These are abundant
in giant molecular
clouds (where stars &
planets form)



Life requires a source of energy.
On Earth, the Sun is the primary source, but others exist







2

Life requires a solvent, to allow chemicals to mix and react. Liquid water seems to be the best universal solvent



Complex life (e.g., humans) requires a narrow range of temperature, acidity, etc. But some bacteria (extremophiles) can thrive in much harsher conditions

