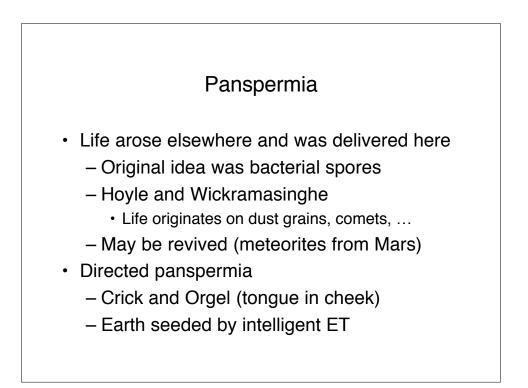


Focus on Energy

G. Wächtershäuser Inorganic - organic connection FeS₂ (Iron pyrite)

Attracts negatively charged molecules Surface catalysis provides energy via formation from FeS + H₂S

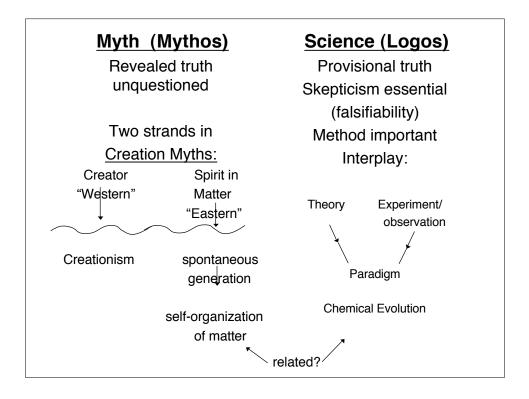
Scene is hot sulfur vents on sea floor Some recent successes in simulations Amino acids formed peptide bonds

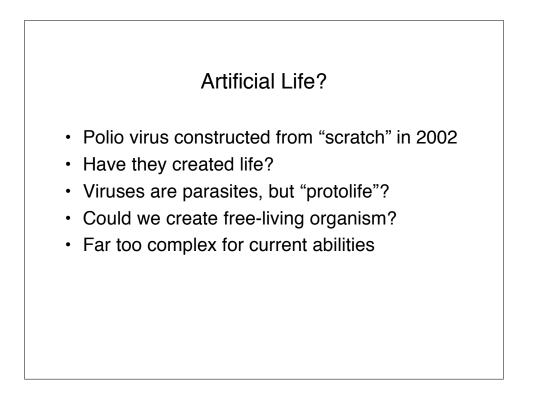


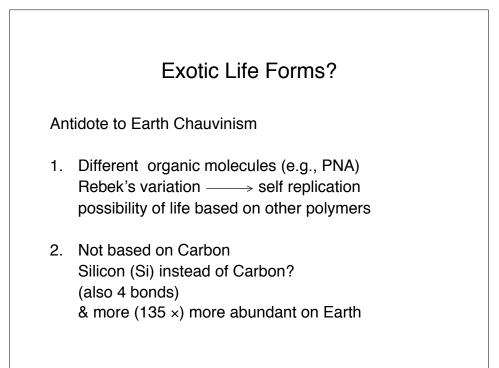
Creationism

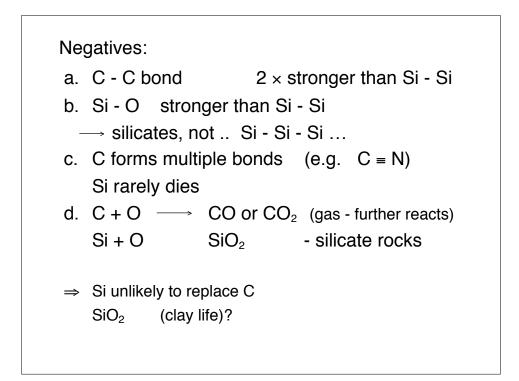
- Traditional biblical literalism
- Intelligent design
 - Seeks evidence of design in complexity
 - Current version of creationist movement
 - Hoyle and Wickramasinghe later ideas
 - Life designed by silicon chip
 - Where did the chip come from?
- None of these are scientific theories
 - The key is whether they can be tested

Uniformitarianism	Bible
Matter existed	Matter created by God
in the beginning	in the beginning
Sun and stars	Earth before the sun
before the earth	and stars
Land before the oceans	Oceans before the land
Sun, earth's first light	Light before the sun
Contiguous atmosphere	Atmosphere between
and hydrosphere	two hydrospheres
Marine organisms,	Land plants, first life
first forms of life	forms created
Fishes before fruit trees	Fruit trees before fishes
Insects before birds	Birds before insects
Sun before land plants	Land vegetation before the sun
Reptiles before birds	Birds before reptiles
Woman before man	Man before woman
(by genetics)	(by creation)
Rain before man	Man before rain
"Creative" processes still continuing	Creation completed
Struggle and death necessary antecedents of man	Man, the cause of struggle and death









3. Other Sol Earth: Li	vents quid water	273-373	К
Alternatives: Ammonia Methyl Alcoho Methane Ethane Water is better Also better fo But others co extend CHZ?	CH_4 C_2H_6 er solvent r temperature	0	

