errolution, the themes of biology, and scientific inquire properties of life · organization · Evolutionary adoptation · information · regulation reproduction · energy i matte response to environment · interactions · growth i development · evolution OBiosphere OEcosystems & Commencial Micros Organism Commencial Com · energy processing reductionism: zooming in to smaller components emergent properties: properties that arise due to arrangement; interactions ex: trees make up population; set of genes expressed energy is structure DN A Caleoxyribuis common genetic language destrated an ecosystem

## carbon and the molecular diversity of life

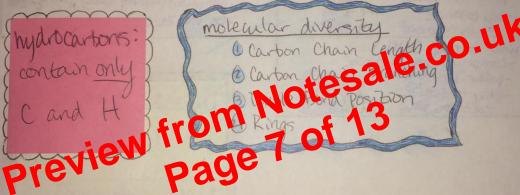
organic = contains carton

C can form " Covalent bonds

forms tetrahedral with 4 single tonds

early rotate around HPE" H

double bonds



isomer: same atoms, different structure

