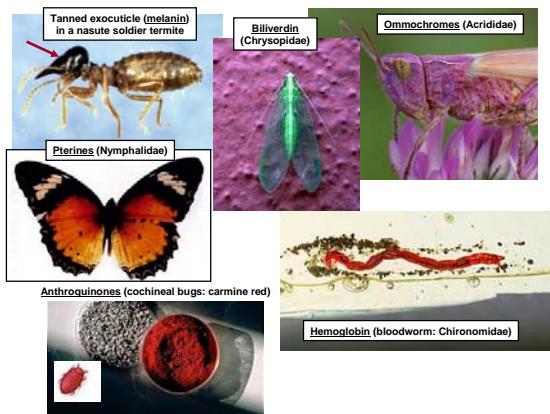
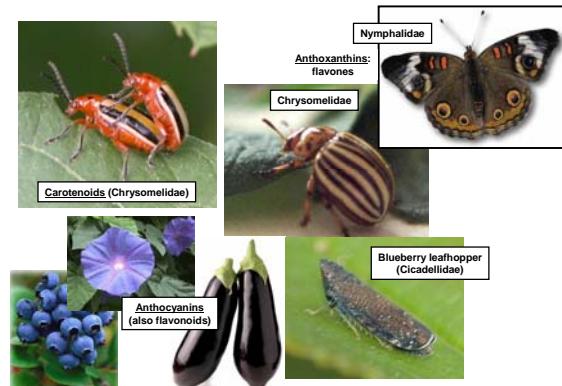


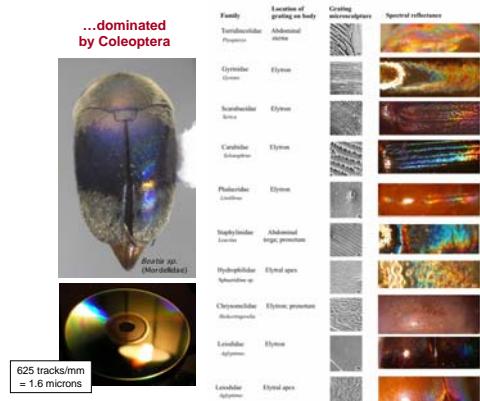
### Pigment colors I: Metabolic by-products



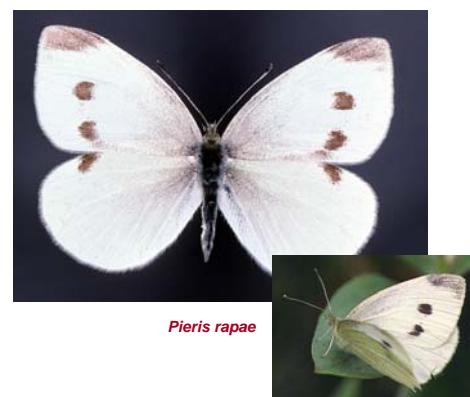
### Pigment colors II: from food



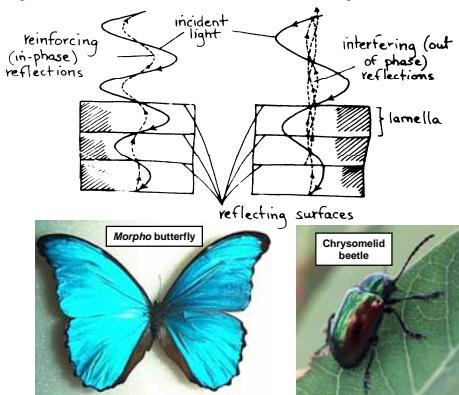
### Physical colors IA: Interference from a diffraction grating



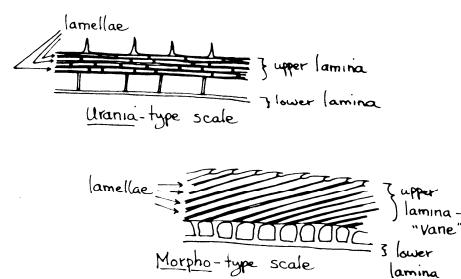
### Physical colors IB: Diffraction from unordered striations



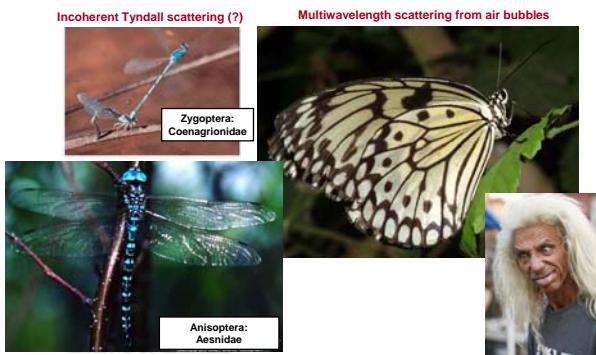
### Physical colors II: Interference from thin-layer reflections



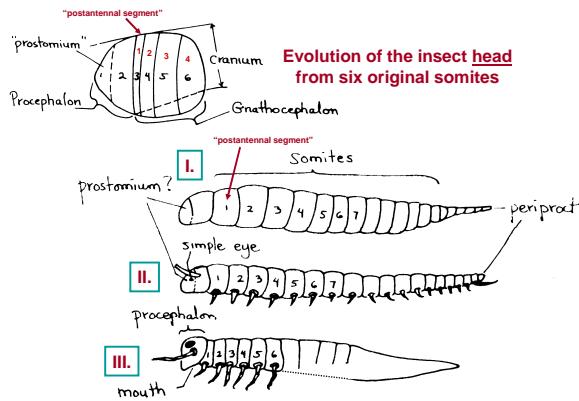
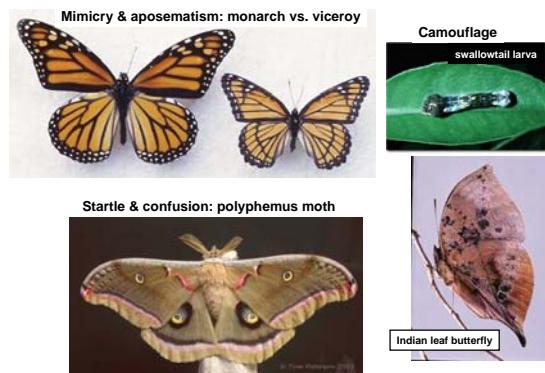
### Examples of interference colors from Lepidoptera



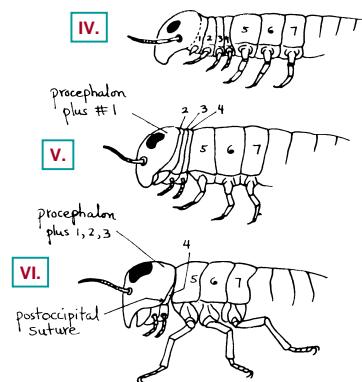
### Physical colors III: Scattering



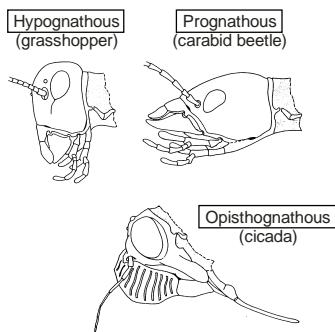
### Significance of colors



### Head evolution, continued



### Types of head orientation in insects



### Head orientation -- more examples

