

LECTURE OUTLINE

UV-Visible Spectrum & DNA Mutations  
 Phosphodiester Formation and Cleavage

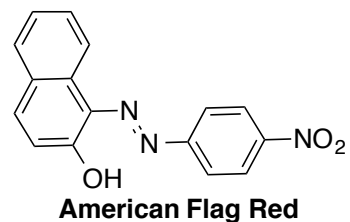
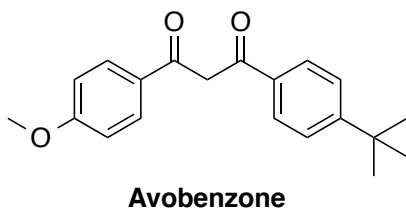
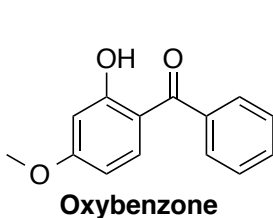
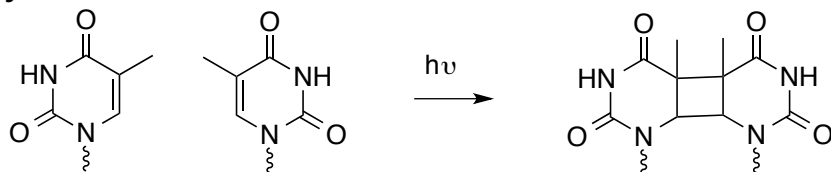
Lecture 14 HW Online

**UV-Visible Spectrum**

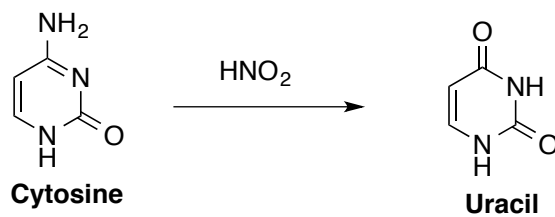
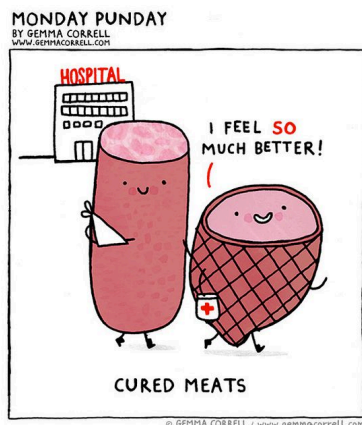
UVA (400 – 320 nm)

UVB (320 – 280 nm)

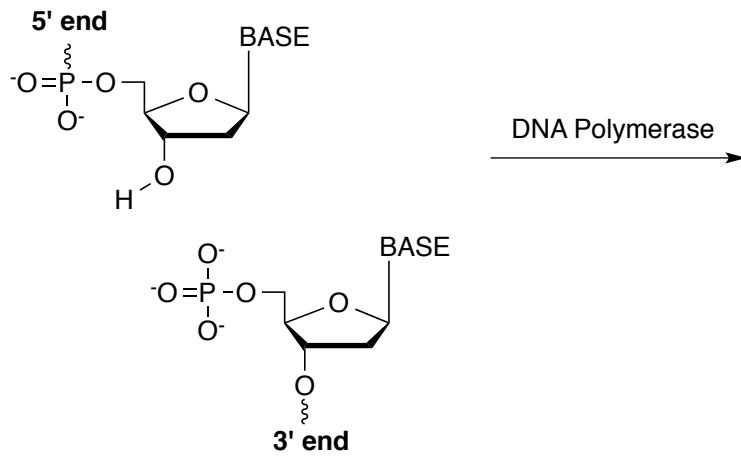
\*UVC (280 – 100 nm)

**Mutations – Thymine Dimer**

*What's the deal with nitrites?*



**Phosphodiester Formation**



**Phosphodiester Cleavage (Restriction Endonucleases)**

