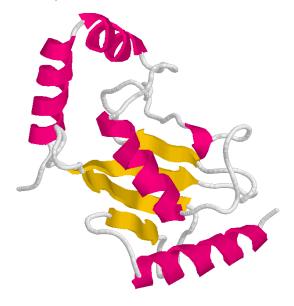
Biochemistry pictures (from Rasmol)

<u>CLASS 29</u>

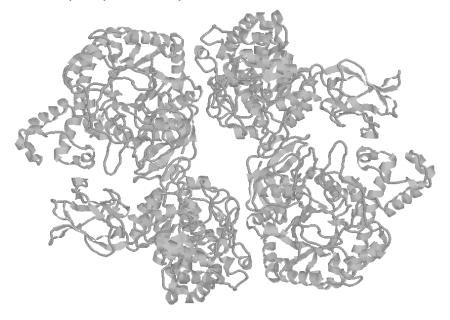
Primary structure of human proinsulin:

RasMol	RasMol> show sequence									
PHE1	VAL2	AŠN3	GLN4	HIS5	LEU6	CYS7	GLY8	SER9	HIS10	
LEU11	VAL12	GLU13	ALA14	LEU15	TYR16	LEU17	VAL18	CYS19	GLY20	
GLU21	ARG22	GLY23	PHE24	PHE25	TYR26	THR27	PRO28	LYS29	THR3Ø	
ARG31	ARG32	TYR33	PR034	GLY35	ASP36	VAL37	LYS38	ARG39	GLY40	
I LE41	VAL42	GLU43	GLN44	CYS45	CYS46	THR47	SER48	I LE49	CYS50	
SER51	LEU52	TYR53	GLN54	LEU55	GLU56	ASN57	TYR58	CYS59	ASN6Ø	

Ubiquitin secondary and tertiary structure (red = α -helix, yellow = β -sheet, white = no secondary structure)



Bacterial β -amylase tertiary structure

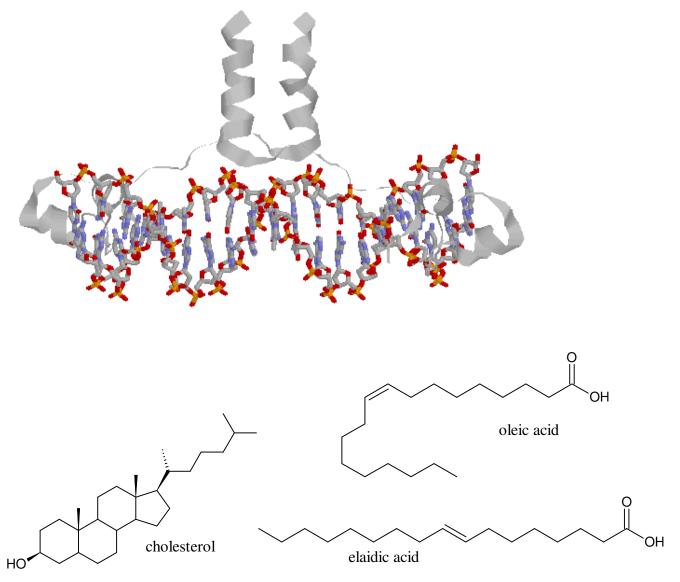


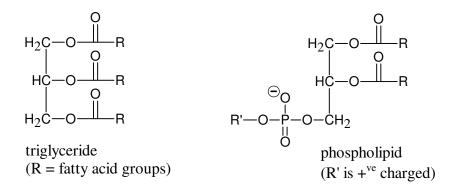
CLASS 30

Figures shown in class are in the textbook

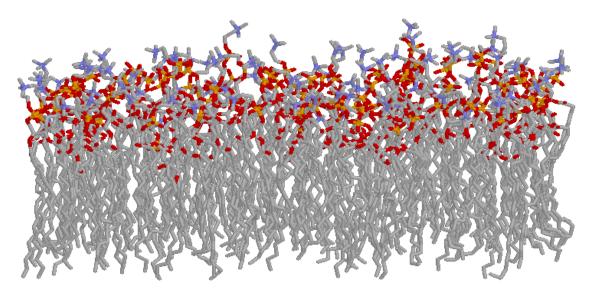
Class 31

Picture of an RNA strand with an associated protein growing off it (RNA is the multicoloured stick part, the protein is represented by grey cartoon)

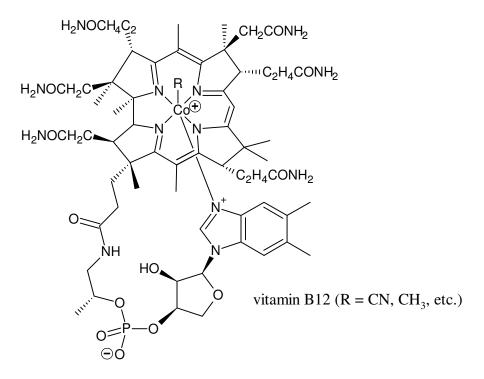




Phospholipid monolayer (grey = carbon, red = oxygen, blue = nitrogen (ammonium), orange = phosphorus); a bilayer would be two of these with the grey parts pointing towards each other



Class 32



Lobster hemocyanin - the two balls are copper atoms

