

## Comparing Biomolecules

In this course we have studied four classes of biomolecules. The structural diversity of these molecules is extreme, but there are a number of conceptual parallels among them. Give short answers in the following table, generally a word or short phrase. You can also answer "varies" or "NA", but in the case of "varies" be sure you can give specific examples.

	proteins	carbohydrates	lipids	nucleic acids
building blocks (repeating units)				
functional group linking building blocks				
no. of different building blocks				
source(s) of structural variety in building blocks				
chiral building blocks?				
directional chains?				
Is, or could, information be encoded?				
net charge @ pH 7				
Is covalent cross linking possible? Using what functional group?				