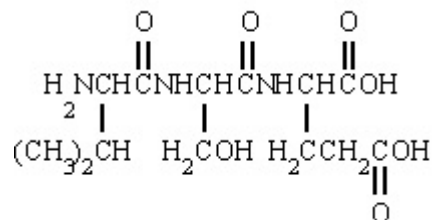


## Worksheet 10

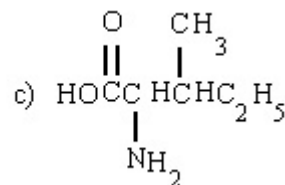
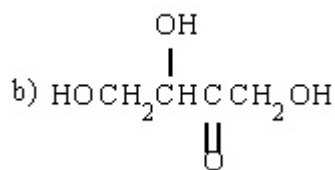
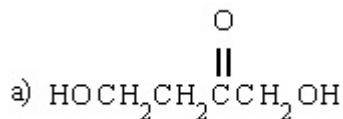
1. a) How do amino acids react to form proteins? b) Draw the bond type that links amino acids together in proteins. What is this called?

2. What amino acids would be obtained from the hydrolysis of the following tripeptide?



3. In your own words define a) a carbohydrate b) monosaccharide, c) disaccharide, d) polysaccharide.

4. Locate the chiral carbon atoms, if any in each of the following structures



6. If a molecule is an “ene-one”, what functional groups must it have?

7. The structure formula for the linear form of D-mannose is:

a) How many chiral carbons are present in the molecule?

b) Draw the structure of the six member ring of this sugar.

