



Stores energy for long term use



Provides short term, quick energy



Monosaccharides are the monomers



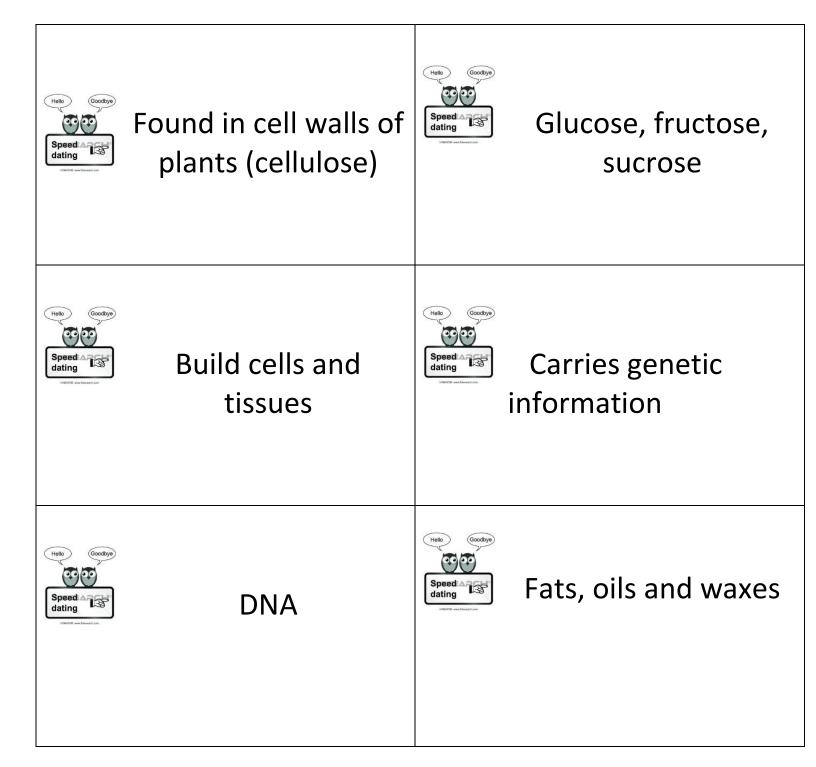
Nucleotides are the monomers

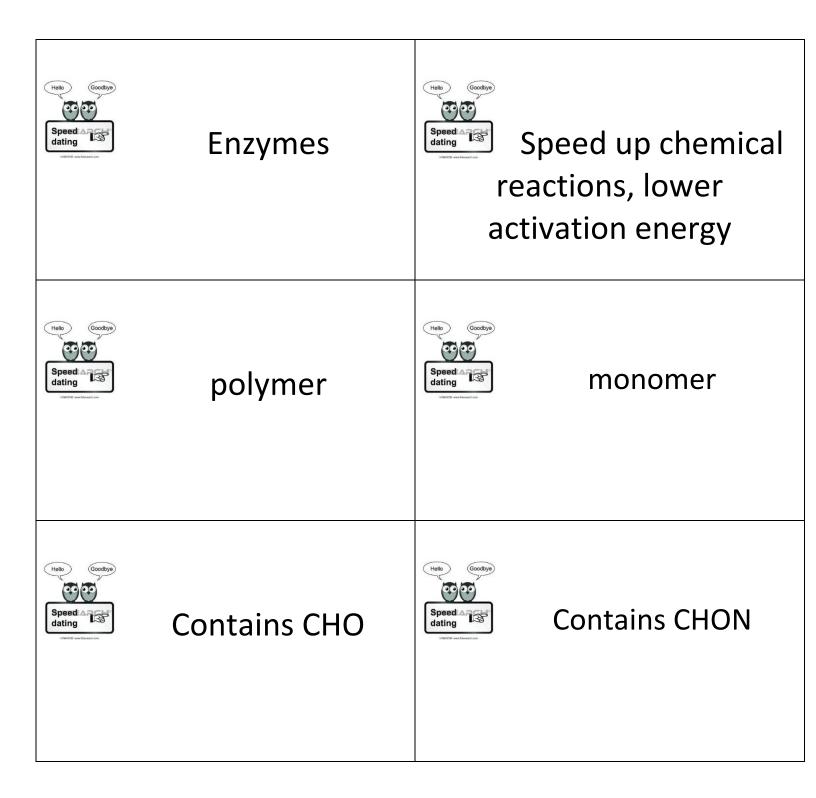


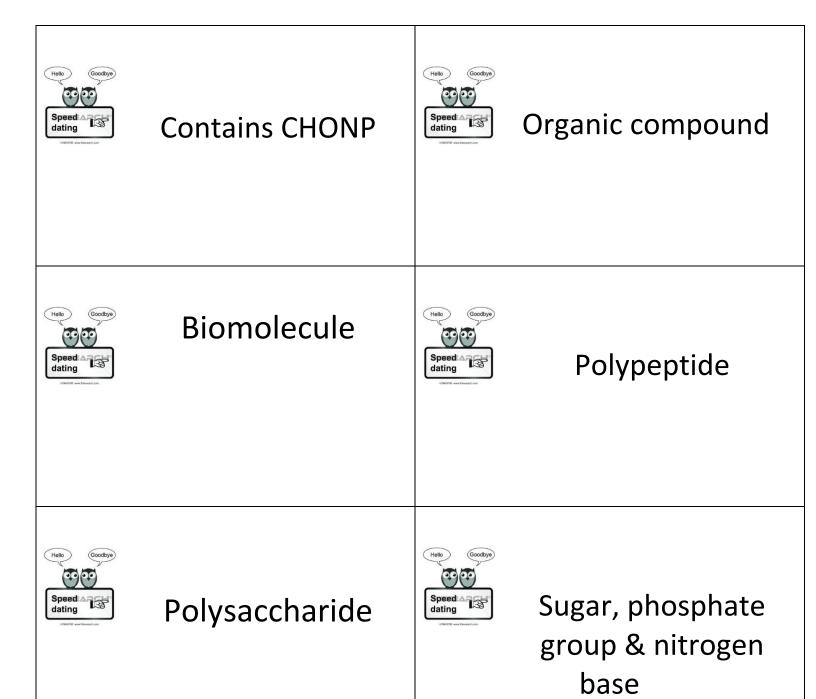
Amino acids are the monomers



Made of glycerol and fatty acids







name:	Name:
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Biomolecule Speed Dating

Directions: For each round, write or draw both partner's cards. Check if the two cards are compatible and then justify why or why not. Trade cards for the next round.

Round 1	Partner 1 Card	Partner 2 Card	Compatible? Yes No	Justify Why or Why not
Round 2	Partner 1 Card	Partner 2 Card	Compatible? Yes No	Justify Why or Why not
Round 3	Partner 1 Card	Partner 2 Card	Compatible? Yes No	Justify Why or Why not
Round 4	Partner 1 Card	Partner 2 Card	Compatible? Yes No	Justify Why or Why not
Round 5	Partner 1 Card	Partner 2 Card	Compatible? Yes No	Justify Why or Why not

Round 6	Partner 1 Card	Partner 2 Card	Compatible? Yes No	Justify Why or Why not
Round 7	Partner 1 Card	Partner 2 Card	Compatible? Yes No	Justify Why or Why not
Round 8	Partner 1 Card	Partner 2 Card	Compatible? Yes No	Justify Why or Why not
Round 9	Partner 1 Card	Partner 2 Card	Compatible? Yes No	Justify Why or Why not
Round 10	Partner 1 Card	Partner 2 Card	Compatible? Yes No	Justify Why or Why not

BIOMOLECULES CHART

Biomolecule	Carbohydrate (polysaccharide)	Lipid	Protein (polypeptide)	Nucleic Acid
Monomer	monosaccharide	glycerol & fatty acids	amino acid	nucleotide
Elements	СНО	CHO	CHON	CHONP
Function	body's primary source of energy	energy storage (long-term), insulation, cell membranes, hormones	needed for growth & repair	genetic information storage and protein synthesis
Examples	starches, cellulose	oil, wax, fat	muscle, hair, nails, enzymes	DNA, RNA