Part A. Classify each as a carbohydrate, protein, lipid or nucleic acid.

1	starch	10	polysaccharide
2	cholesterol	11	phospholipid
3	steroid	12	glycerol
4	glycogen	13	monosaccharide
5	nucleotide	14	cellulose
6	RNA	15	amino acid
7	polypeptide chain	16	enzyme
8	glucose	17	saturated fat
9	unsaturated fatty acid	18	DNA

**Part B.** *Identify the* <u>specific</u> *molecule (use the above terms) from each description. Some terms may be used more than once.* 

17	provides long-term energy storage for animals			
18	instructions for building proteins			
19	provides immediate energy			
20	sex hormones			
21	provides short-term energy storage for plants			
22	polymer of many amino acids connected together			
23	forms the cell membrane of all cells			
24	speeds up chemical reactions by lowering activation energy			
25	one sugar			
26	cells convert this into ATP			
27	monomer of proteins			
	provides long-term energy storage for plants			
29				
	steroid that makes up part of the cell membranes			
31	3-carbon "backbone" of a fat			
32	provides short-term energy storage for animals			
33	many sugars			
	monomer of nucleic acids			
	forms the cell wall of plant cells			

**Part C.** Which <u>specific</u> molecule (saturated fat, unsaturated fat, protein, glucose, starch, cellulose) is each food <u>mostly</u> made of?

36	almond	44	celery
37	spinach	45	soy beans
38	beef jerky	46	cranberries
39	bacon	47	egg white
40	noodles	48	table sugar
41	orange juice	49	popcorn
42	cheese	50	lobster
43	wheat	51	sesame oil
<b>Part D.</b> State wh	ether each is found in animals, pla	ants or both.	
52	saturated fat	61	glucose
53	protein	62	RNA
54	steroid	63	polysaccharide
55	amino acid	64	glycogen
56	DNA	65	starch
57	cellulose	66	phospholipid
58	monosaccharide	67	enzyme
Ť	ood molecule (monosaccharide, po		
•	d to grow strong nails?		
70you wante			
· ·	d to grow healthy hair?		
•	race tomorrow afternoon?		
•	getting ready for hibernation?	_	_
	d to get bigger muscles?		
•	meal will be in a week?		
jour next	mical will be in a week:		