CARBOHYDRATES AND LIPIDS PRACTICE

Fill in the following table of organic and inorganic compounds. Highlight carbohydrates and circle lipids.

Substance	Formula	Organic (O) or Inorganic (I)
Octane	C_8H_{18}	
Steel	Fe	
Baking Soda	NaHCO ₃	
Sand	SiO_2	
Water	H_2O	
Canola oil	$C_{18}H_{30}O_2$	
Drano	КОН	
Steroid	C ₂₇ H ₄₆	
Isopropyl alcohol	C ₃ H ₇ OH	
Fructose (fruit)	$C_6H_{12}O_6$	
Olive Oil	$C_{18} H_{34} O_2$	
Wax	$C_{25}H_{52}$	
Glucose	$C_6H_{12}O_6$	
Sodium	Na	
Ammonia	NH ₃	

Classify each as a	a carbohydrate or lipid.		
1	starch	7	polysaccharide
2	cholesterol	8	phospholipid
3	steroid	9	glycerol
4	glycogen	10	monosaccharide
5	glucose	11	cellulose
6	unsaturated fatty acid	12	saturated fat
Identify the speci	fic molecule from each description.	Not just carbohydr	ate or lipid (ex: cellulose).
13	long-term er	nergy storage for an	imals
14	provides im	mediate energy	
15	forms the ce	ll membrane of all	cells
16	one sugar		
17	steroid that i	makes up part of the	e cell membranes
18	provides sho	ort-term energy stor	age for animals
19	many sugars	S	
20	in the cell w	all of plant cells	

21 you needed	l a quick boost of energy?		
-	I to grow strong nails?		
23you haven'			
-	d to grow healthy hair?		
25you had a r	race tomorrow afternoon?		
26you were g	etting ready for hibernation?		
27you wanted	d to get bigger muscles?		
28your next n	neal will be in a week?		
Which specific made of?	nolecule (saturated fat, unsaturat	ed fat, protein, glucose, s	starch, cellulose) is each food mostl
29	almond	37	celery
29 30		37 38	
	spinach		soy beans
30	spinach beef jerky	38	soy beans cranberries
30	spinach beef jerky bacon	38 39	soy beans cranberries egg white
30 31 32	spinach beef jerky bacon noodles	38 39 40	soy beans cranberries egg white table sugar
30 31 32 33	spinach beef jerky bacon noodles orange juice	38	soy beans cranberries egg white table sugar popcorn
30	spinach beef jerky bacon noodles orange juice cheese	38	soy beans cranberries egg white table sugar popcorn lobster
30	spinach beef jerky bacon noodles orange juice cheese	38	soy beans cranberries egg white table sugar popcorn lobster