Macromolecules

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

1. _____	starch	10. _____	polysaccharide
2. _____	cholesterol	11. _____	phospholipid
3. _____	not a source of Energy	12. _____	9 ATP / molecule
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

Identify the 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. _____ hormones
21. _____ provides short-term energy storage for plants
22. _____ animal and plant structures
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
28. _____ provides long-term energy storage for plants
29. _____ genetic material
30. _____ 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
34. _____ monomer of nucleic acids
35. _____ forms the cell wall of plant cells