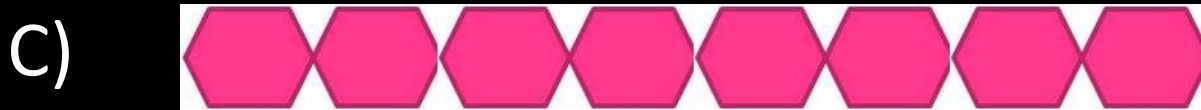


Biomolecule
STRUCTURE
Review

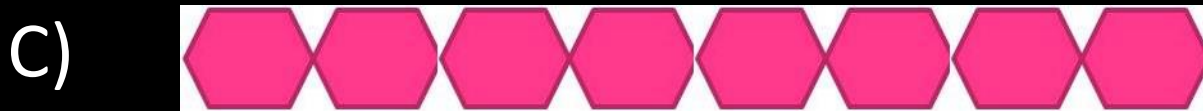
1) Which molecule structure matches **lactose**?



2) Which molecule structure matches **starch**?



3) Which molecule structure matches **fat**?



4) Which molecule structure matches **glucose**?



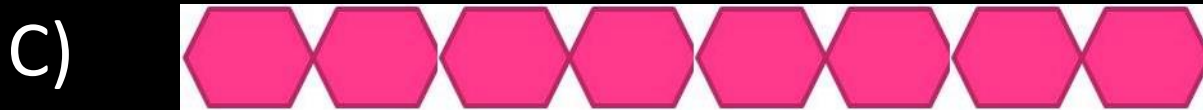
5) Which molecule structure matches
one DNA chain?



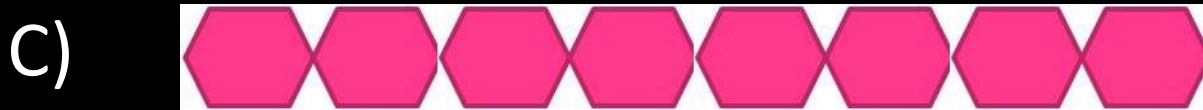
6) Which molecule structure matches dipeptide?



7) Which molecule structure matches **polysaccharide**?



8) Which molecule structure matches
polypeptide?



9) Which molecule structure matches **plant oil**?



10) Which molecule structure matches
cellulose?



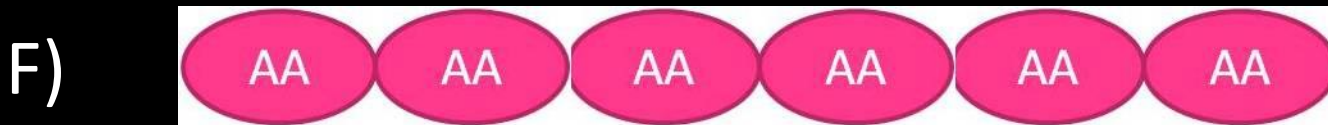
11) Which molecule structure matches **sucrose**?



12) Which molecule structure matches **hemoglobin**?



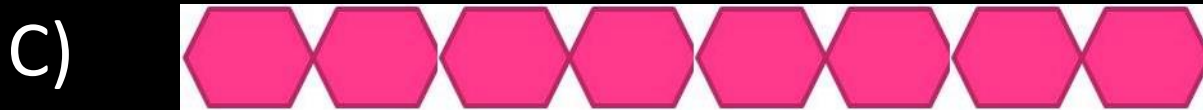
13) Which molecule structure matches **RNA?**



14) Which molecule structure matches **glycogen**?



15) Which molecule structure matches **Insulin?**



Biomolecule

NAME

Review

16) Which molecule name matches **DNA**?

- A) Monosaccharide
- B) Disaccharide
- C) Polysaccharide
- D) Nucleic acid
- E) Dipeptide
- F) Polypeptide
- G) Lipid

17) Which molecule name matches
glucose?

- A) Monosaccharide
- B) Disaccharide
- C) Polysaccharide
- D) Nucleic acid
- E) Dipeptide
- F) Polypeptide
- G) Lipid

18) Which molecule name matches
chlorophyll?

- A) Monosaccharide
- B) Disaccharide
- C) Polysaccharide
- D) Nucleic acid
- E) Dipeptide
- F) Polypeptide
- G) Lipid

19) Which molecule name matches
glycogen?

- A) Monosaccharide
- B) Disaccharide
- C) Polysaccharide
- D) Nucleic acid
- E) Dipeptide
- F) Polypeptide
- G) Lipid

20) Which molecule name matches
glycerol?

- A) Monosaccharide
- B) Disaccharide
- C) Polysaccharide
- D) Nucleic acid
- E) Dipeptide
- F) Polypeptide
- G) Lipid

21) Which molecule name matches
sucrose?

- A) Monosaccharide
- B) Disaccharide
- C) Polysaccharide
- D) Nucleic acid
- E) Dipeptide
- F) Polypeptide
- G) Lipid

22) Which molecule name matches
enzyme?

- A) Monosaccharide
- B) Disaccharide
- C) Polysaccharide
- D) Nucleic acid
- E) Dipeptide
- F) Polypeptide
- G) Lipid

23) Which molecule name matches
fructose?

- A) Monosaccharide
- B) Disaccharide
- C) Polysaccharide
- D) Nucleic acid
- E) Dipeptide
- F) Polypeptide
- G) Lipid

24) Which molecule name matches
wax?

- A) Monosaccharide
- B) Disaccharide
- C) Polysaccharide
- D) Nucleic acid
- E) Dipeptide
- F) Polypeptide
- G) Lipid

25) Which molecule name matches
chitin?

- A) Monosaccharide
- B) Disaccharide
- C) Polysaccharide
- D) Nucleic acid
- E) Dipeptide
- F) Polypeptide
- G) Lipid

26) Which molecule is NOT a
carbohydrate?

A) glycogen

B) fructose

C) hemoglobin

D) starch

E) Both A and C are correct

27) Which molecule is NOT a **lipid**?

A) glycogen

B) glycerol

C) Omega-3 fatty acid

D) Trans fat

E) All are lipids

28) Which molecule is NOT a **protein**?

- A) chitin
- B) collagen
- C) hemoglobin
- D) insulin
- E) All are correct

29) Which molecule is NOT a
carbohydrate?

A) Cellulose

B) chlorophyll

C) insulin

D) sucrose

E) Both B and C are correct

30) Which molecule is NOT a **lipid**?

A) wax

B) glycerol

C) cholesterol

D) chlorophyll

E) All are lipids

31) Which molecule is NOT made from a **polypeptide**?

- A) antibody
- B) enzyme
- C) hemoglobin
- D) Steroid hormone
- E) All are correct

32) Which molecule is NOT a **polymer**?

A) starch

B) enzyme

C) hemoglobin

D) glycogen

E) glucose

Biomolecule
FUNCTION
Review

33) Which molecule can carry oxygen through the body?

A) DNA

B) glycogen

C) insulin

D) hemoglobin

E) collagen

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B) glycogen

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B) enzyme

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- A) antibody
- B) enzyme
- C) insulin
- D) chlorophyll
- E) steroid hormone

38) Molecules from which biomolecule group can used as **building materials**?

- A) Carbohydrate
- B) Lipid
- C) Nucleic Acid
- D) Protein
- E) Both A and D are correct

39) Molecules from which biomolecule group can **store genetic information**?

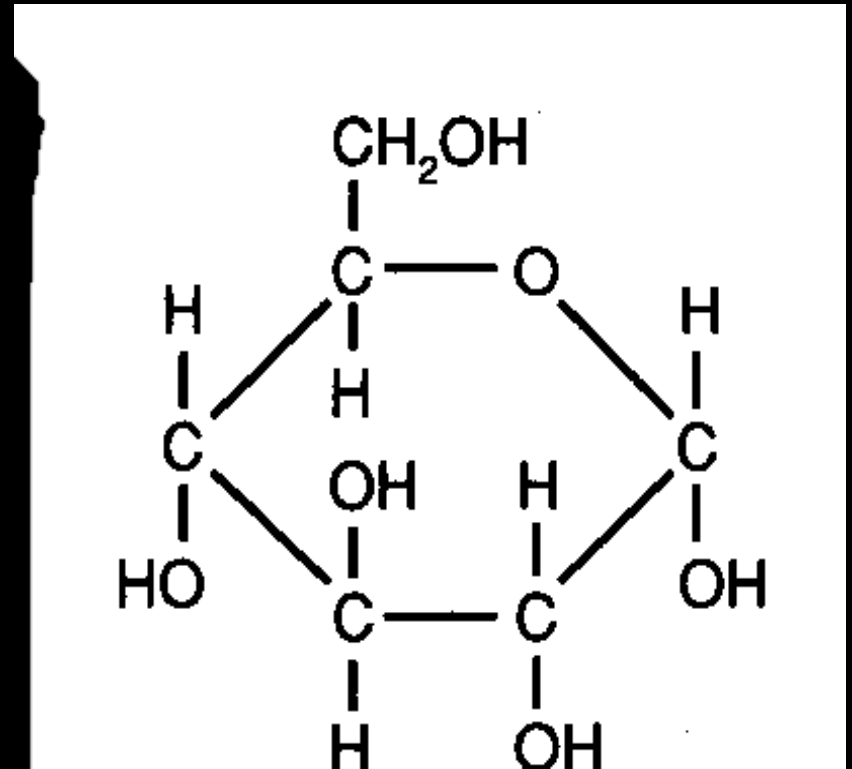
- A) Carbohydrate
- B) Lipid
- C) Nucleic Acid
- D) Protein
- E) Both C and D are correct

40) Molecules from which biomolecule group do **NOT** dissolve in water?

- A) Carbohydrate
- B) Lipid
- C) Nucleic Acid
- D) Protein
- E) Both B and D are correct

41) The molecule in the **diagram** belongs to which biomolecule group?

- A) Carbohydrate
- B) Lipid
- C) Nucleic Acid
- D) Protein
- E) None are correct



42) The molecule in the **diagram** belongs to which biomolecule group?

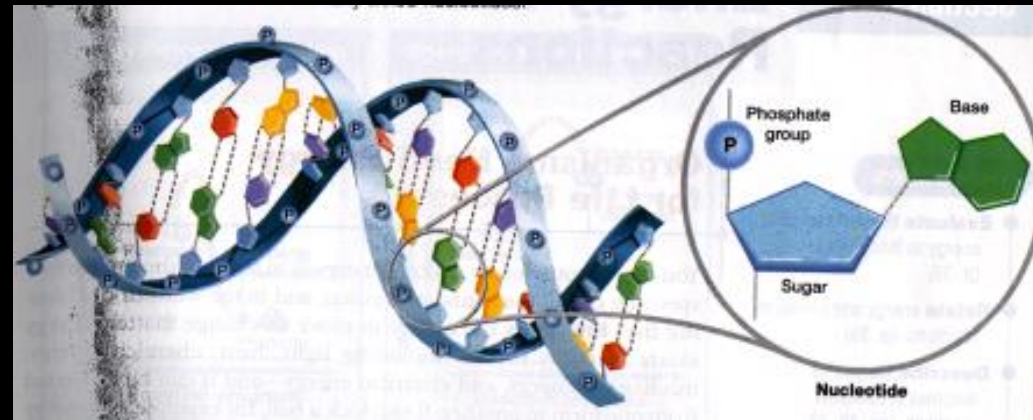
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43) The molecule in the **diagram** belongs to which biomolecule group?

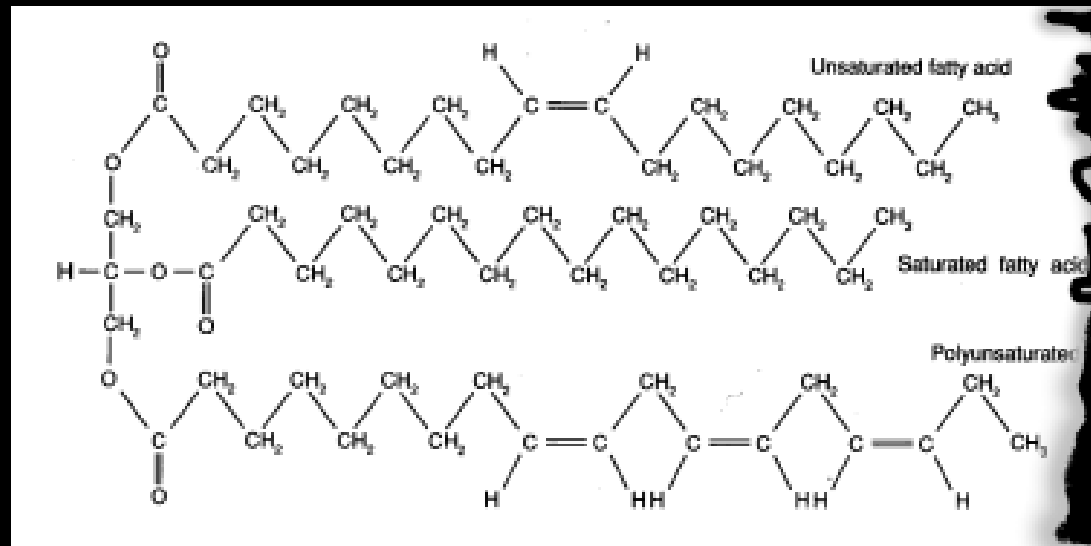
A) Carbohydrate

B) Lipid

C) Nucleic Acid

D) Protein

E) None are correct



44) Which biomolecule group has molecules that are NOT polymers?

- A) Carbohydrate
- B) Lipid
- C) Nucleic Acid
- D) Protein
- E) All are polymers

45) Which of the following does NOT apply to a polymer?

- A) Built from monomers that use ionic bonds to share electrons as they connect together
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46) Which molecule is NOT a
polysaccharide?

- A) chitin
- B) starch
- C) lactose
- D) glycogen
- E) All are correct

47) Which molecule is NOT a **protein**?

- A) gluten
- B) chlorophyll
- C) hemoglobin
- D) insulin
- E) All are correct

Biomolecule
STRUCTURE
Review

1) Which molecule structure matches **lactose**?

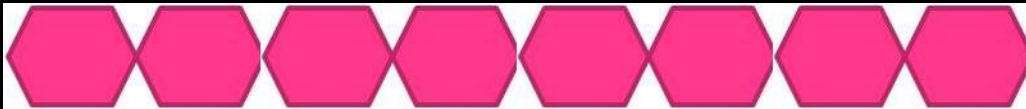
A)



B)



C)



D)



E)



F)



G)



2) Which molecule structure matches **starch**?



3) Which molecule structure matches **fat**?



4) Which molecule structure matches
glucose?

A)



B)



C)



D)



E)



F)



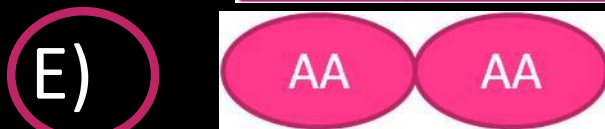
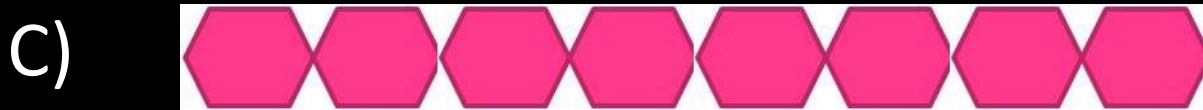
G)



5) Which molecule structure matches
one DNA chain?



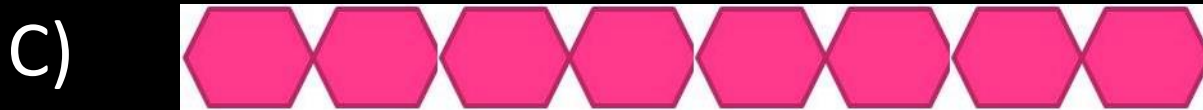
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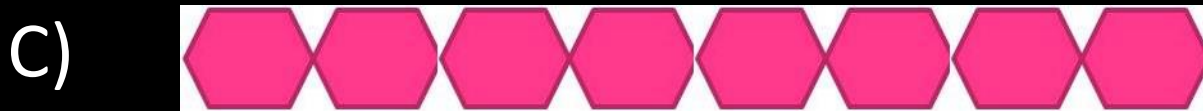
7) Which molecule structure matches
polysaccharide?



8) Which molecule structure matches
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9) Which molecule structure matches
plant oil?



10) Which molecule structure matches
cellulose?



11) Which molecule structure matches **sucrose**?

A)



B)



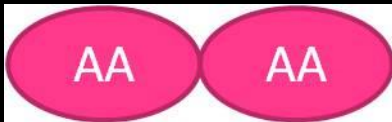
C)



D)



E)



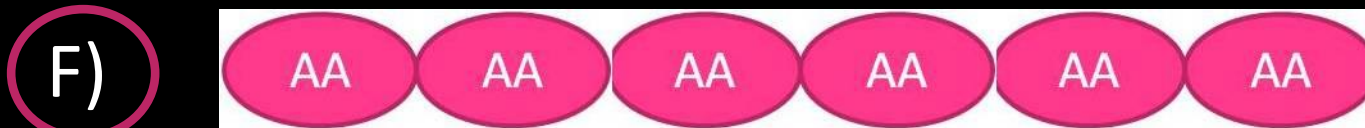
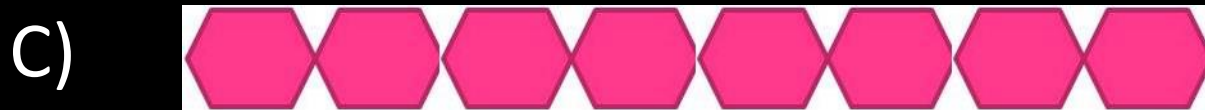
F)



G)



12) Which molecule structure matches **hemoglobin**?



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14) Which molecule structure matches **glycogen**?



15) Which molecule structure matches **Insulin?**



Biomolecule

NAME

Review

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fructose?

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Biomolecule
FUNCTION
Review

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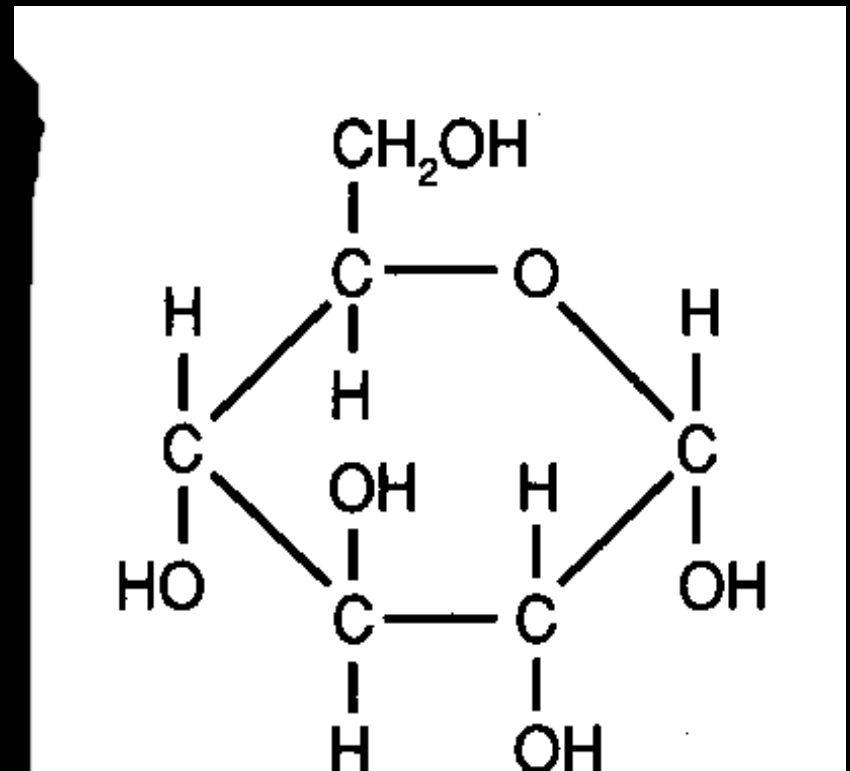
C) Nucleic Acid

D) Protein

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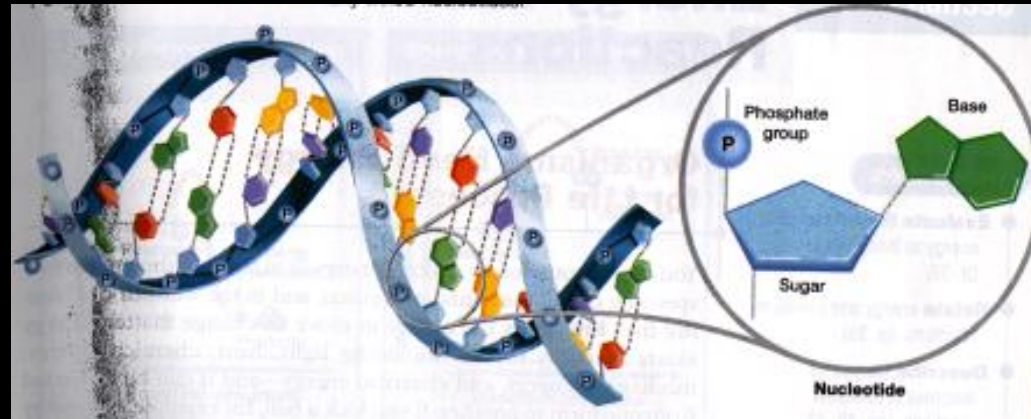
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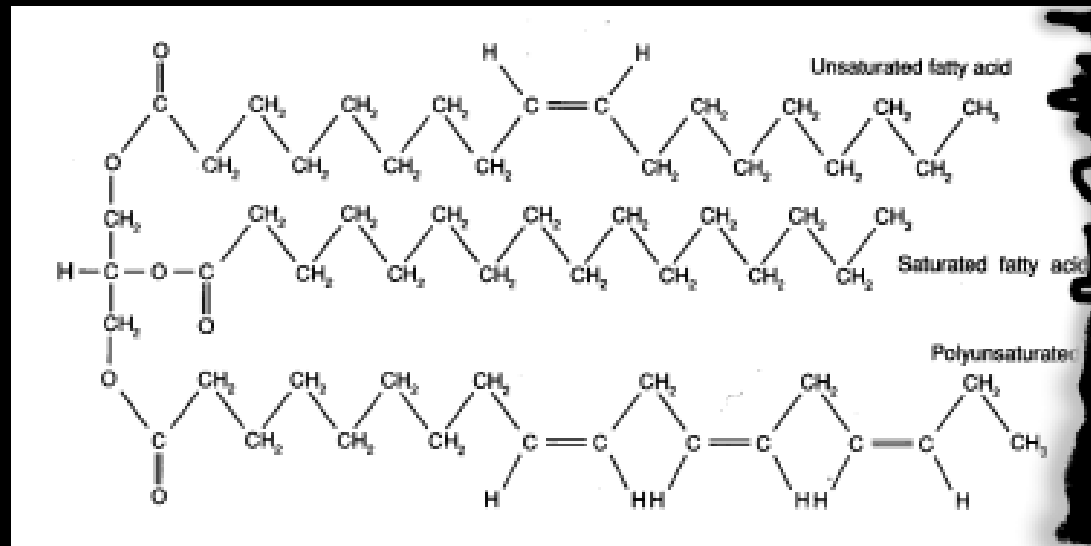
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B) starch

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D) glycogen

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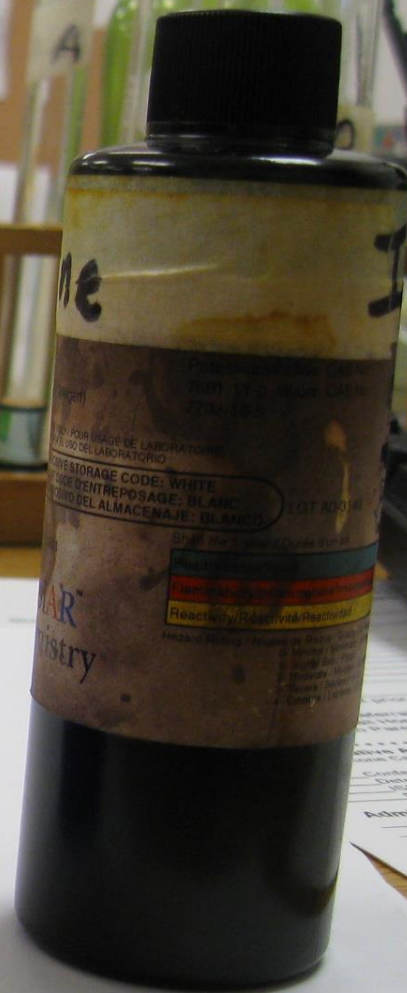
A) gluten

☒ B) chlorophyll

C) hemoglobin

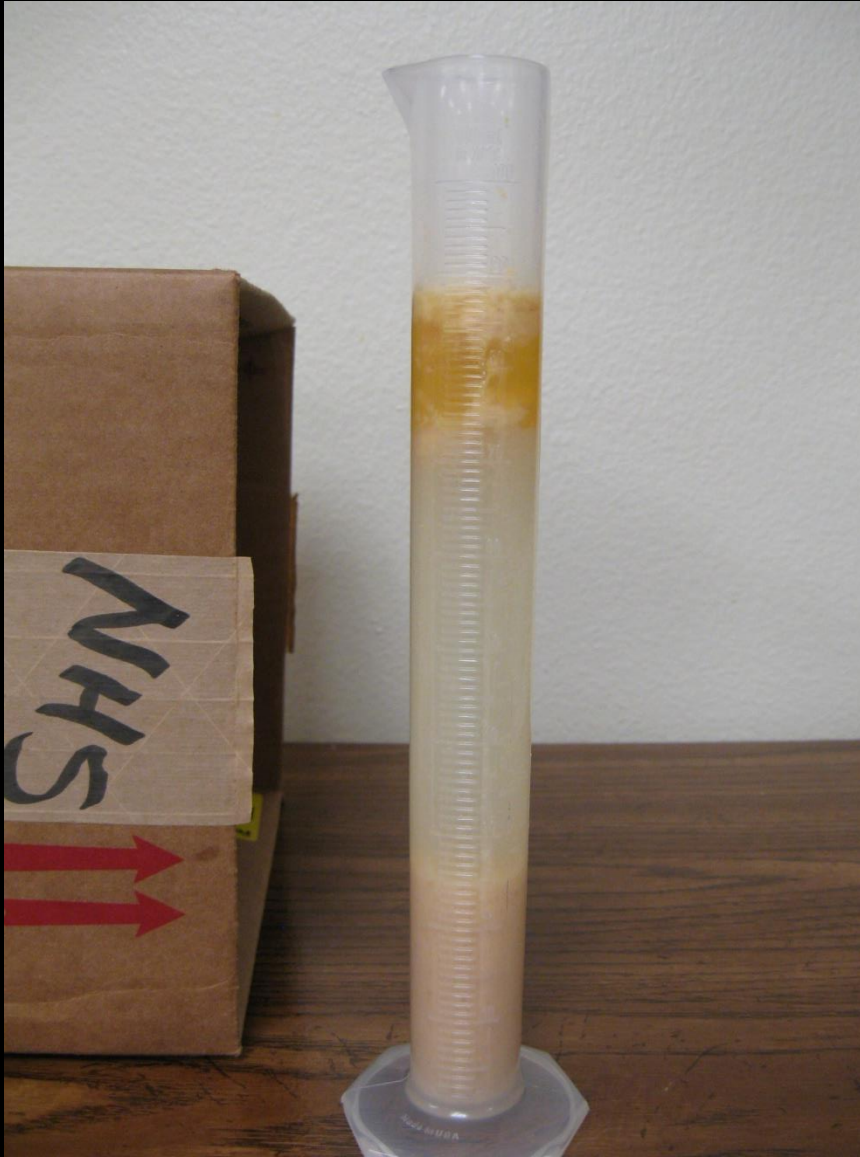
D) insulin

E) All are correct

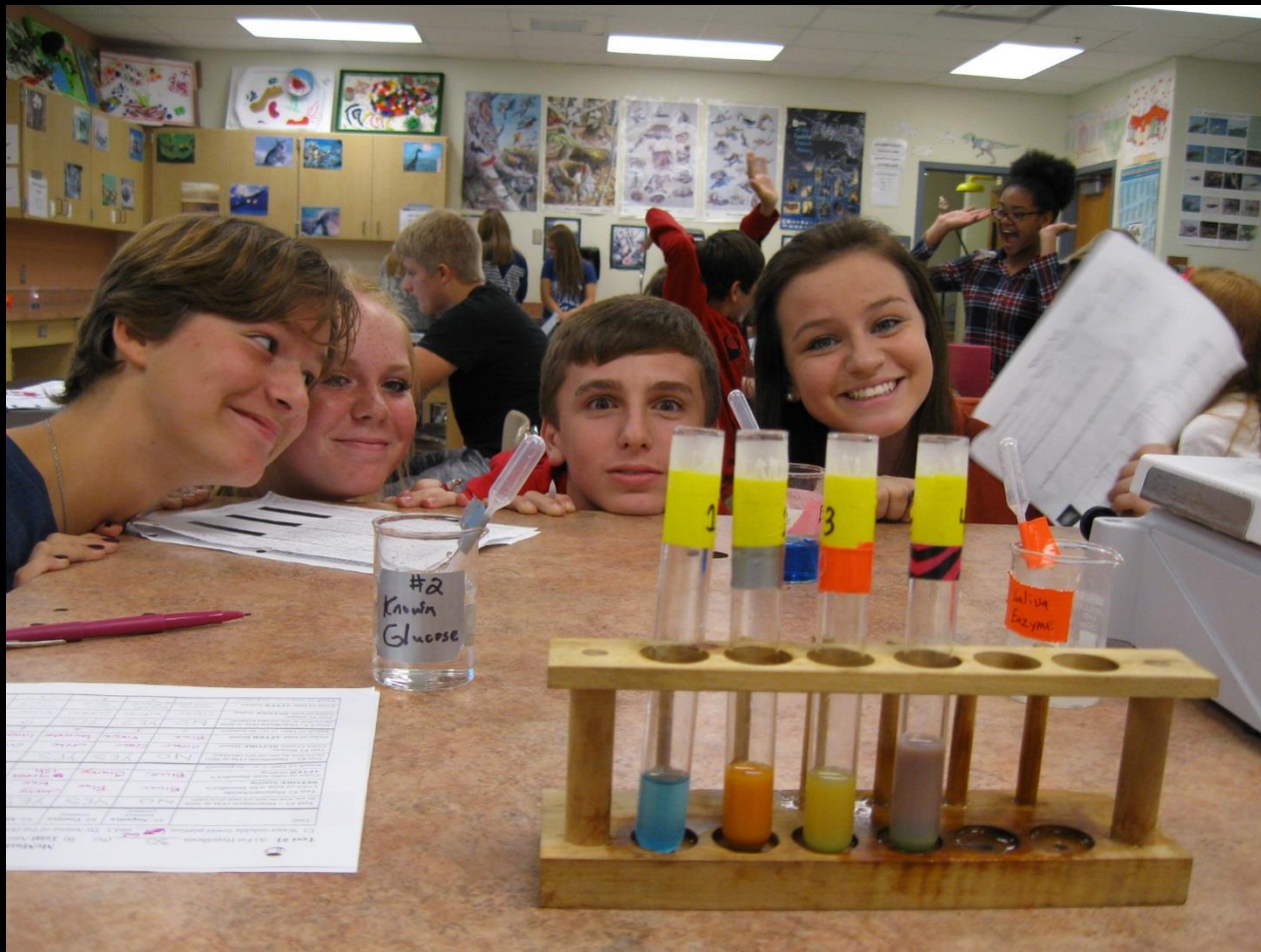




Station #1: fats



Station #2: glucose



Station #2: glucose



Station #2: glucose



Station #3: Protein



Station #4: Starch



Unknown = ?





Ensure Plus® Milk Chocolate*

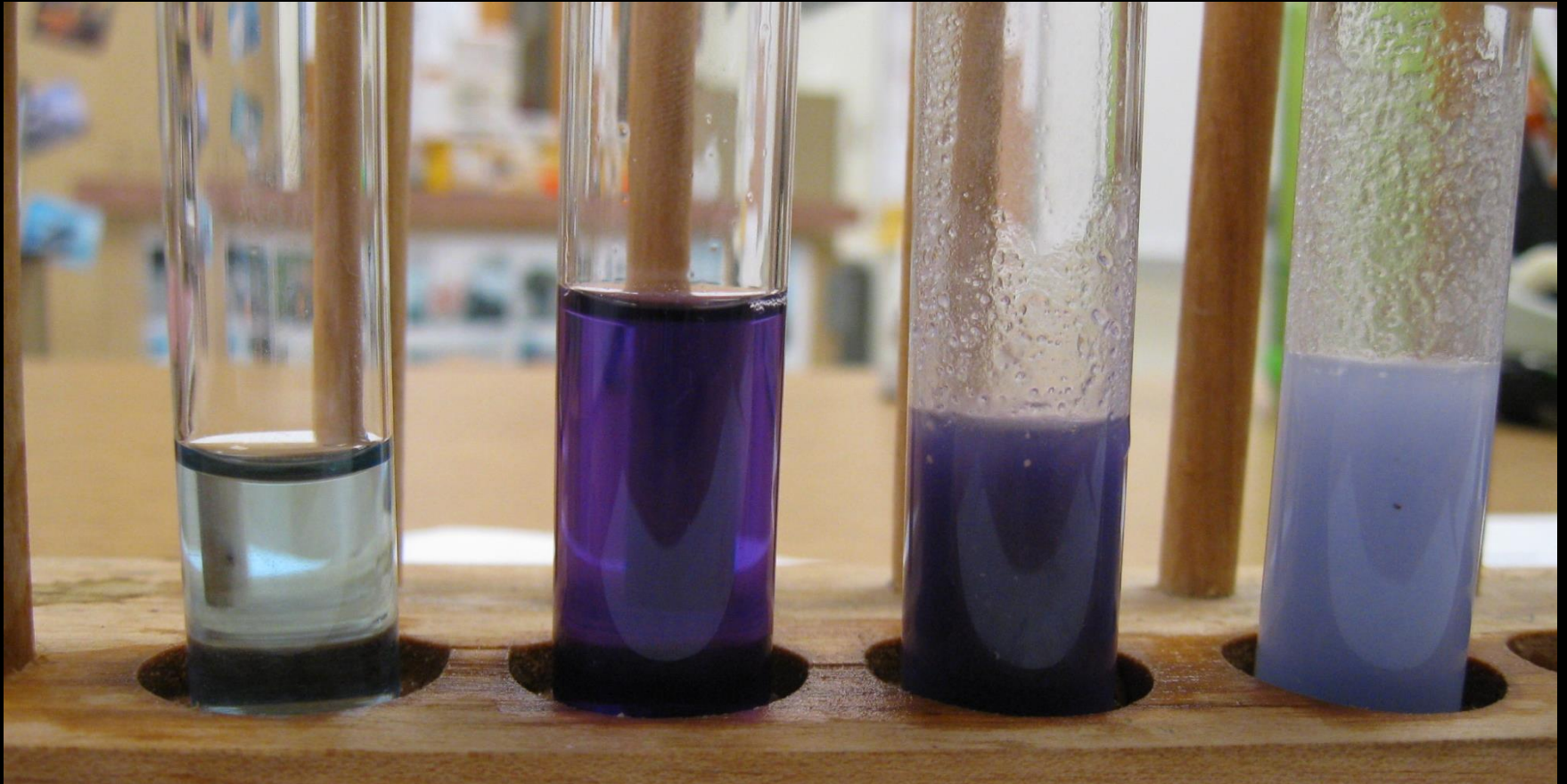
Amount per 8-fl-oz serving

Energy, calories:	350
Protein:	13 g
Carbohydrate:	51 g
Dietary fiber:	3 g
Sugars:	20 g
Fat:	11 g
Saturated fat:	1 g
Trans fat:	0 g
Polyunsaturated fat:	4.5 g
Monounsaturated fat:	5 g
Cholesterol:	10 mg

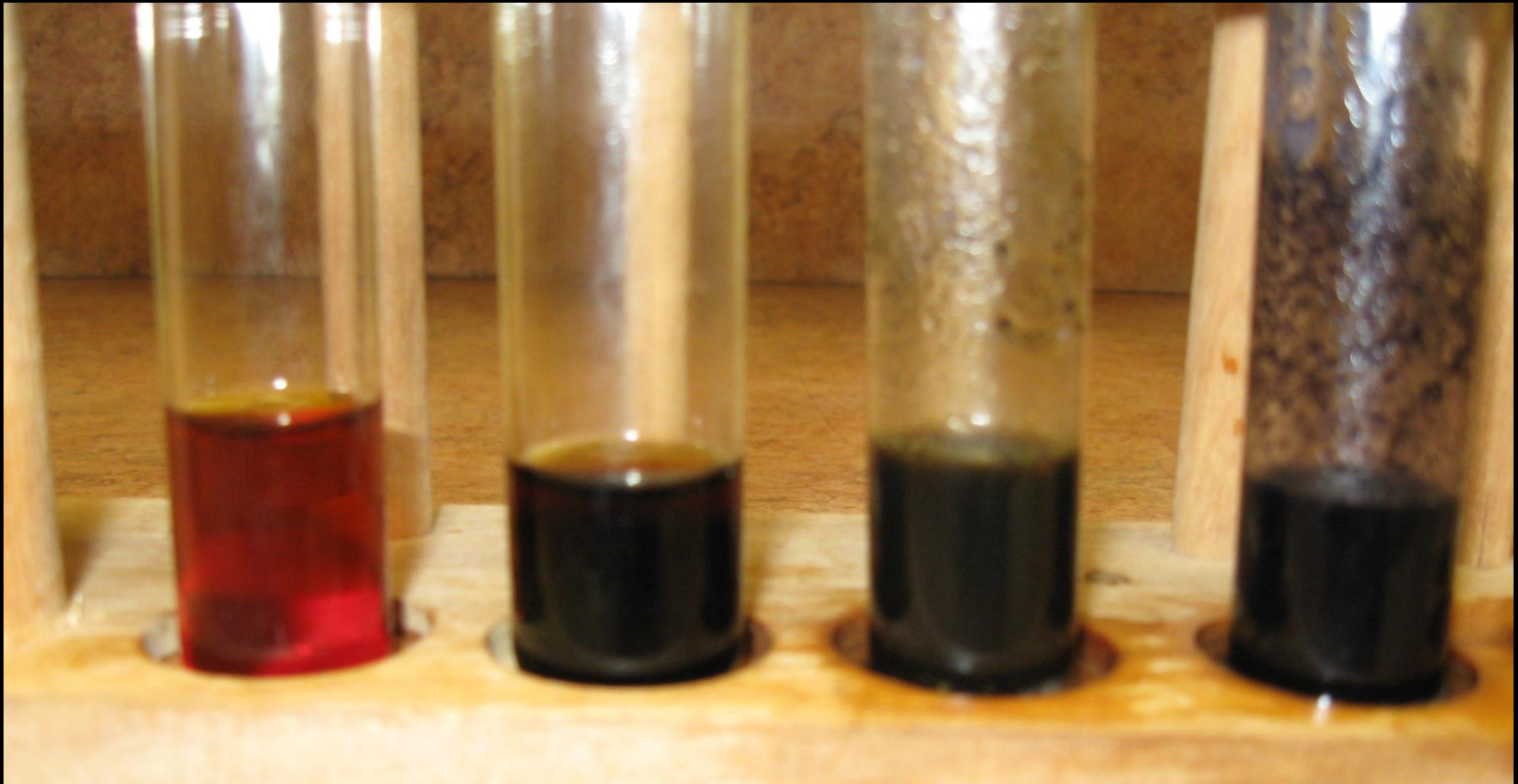
* Nutritional values may vary slightly depending on flavor.

Abbreviated list of nutrients

Station #3: Protein



Station #4: Starch



Station #2: glucose



Station #1: fats



I think that sticky
blue thing was in
Tanna's spit



Wow ... tube B looks
like Sunny D
I wonder if it is safe
to drink?

