

¹ Which molecule has both hydrophilic and hydrophobic properties and is found in plasma membranes?

- A) 1 (B) 5 (C) 12 (D) 14

² Which of the following combinations of molecules illustrated could be linked to form a nucleotide?

- A) 1, 2, and 11
B) 3, 7, and 8
C) 5, 9, and 10
D) 11, 12, and 13

³ Which molecule is a saturated fatty acid?

- A) 1 (B) 5 (C) 8 (D) 9

⁴ Which of the following molecules is a purine nitrogenous base?

- A) 2 (B) 5 (C) 12 (D) 13

⁵ Which of the following molecules act as building blocks (monomers) of polypeptides?

- A) 1, 4, and 6
B) 2, 7, and 8
C) 7, 8, and 13
D) 11, 12, and 13

⁶ Which of the following pairs of molecules could be joined together by a peptide bond in a dehydration reaction?

- A) 2 and 3
B) 7 and 8
C) 8 and 9
D) 12 and 13

⁷ Which molecules would be involved in a dehydration reaction to form a fat (or triacylglycerol)?

- A) one molecule of 9 and three molecules of 10
B) three molecules of 9 and one molecule of 10
C) one molecule of 5 and three molecules of 9
D) one molecule of 5 and three molecules of 10

⁸ Which of the following molecules is the pentose sugar found in RNA?

- A) 1 (B) 6 (C) 12 (D) 13

¹ B

² D

³ D

⁴ D

⁵ B

⁶ B

⁷ B

⁸ C