PRINCE EDWARD ISLAND BIOLOGY 11 · UNIT A

Macromolecules and Cell Transport — Practice Test

Prince Edward Island Biology 11 • 10 questions

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **Each triglyceride molecule contains 3 fatty acid chains. How many fatty acid chains are in 8 triglyceride molecules in total**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **A solution is made by dissolving 25 grams of salt in 250 millilitres of water. What is the concentration of the solution in grams per 100 millilitres**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **Facilitated diffusion uses membrane proteins but does not use**

A a gradient

B a membrane

C a protein

D cellular energy

Understand It with Pulse | Flag a mistake

4 **Fatty acids and glycerol are the building blocks of**

A proteins

B starch

C DNA

D triglycerides

Understand It with Pulse | Flag a mistake

5 **Glucose is an example of a**

A monosaccharide

B disaccharide

C polysaccharide

D lipid

Understand It with Pulse | Flag a mistake

6 **Starch is an example of a**

A monosaccharide

B polysaccharide

C amino acid

D fatty acid

Understand It with Pulse | Flag a mistake

7 **The cell membrane is described as selectively permeable because it**

- **A** allows some substances through and blocks others
- **B** blocks all substances
- **C** allows all substances
- **D** has no proteins

Understand It with Pulse | Flag a mistake

8 **The movement of particles from high to low concentration is called**

- **A** diffusion
- **B** osmosis only
- **C** active transport
- **D** endocytosis

Understand It with Pulse | Flag a mistake

9 **The movement of water across a selectively permeable membrane is called**

A diffusion only

B osmosis

C active transport

D phagocytosis

Understand It with Pulse | Flag a mistake

10 **Each triglyceride molecule contains 3 fatty acid chains. How many fatty acid chains are in 10 triglyceride molecules in total**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	24	**5.**	A	**9.**	B
2.	10.00	**6.**	B	**10.**	30
3.	D	**7.**	A		
4.	D	**8.**	A		

© 2026 Brett Robbins. All Rights Reserved.