**Popcorn Article Questions**

***\*Separate piece of paper in complete sentence please***

1. According to Kate, what is the secret of perfect popcorn popping?

2. Write the equation for the formation of maltose, a disaccharide, which consists of two glucose units. Classify the reaction.

3. How many water molecules are needed to break down an oligosaccharide that contains 10 glucose units? Classify the reaction.

4. Glycerol, a part of glycerophospholipid, is highly attracted to water and often used in skin care products such as lotions and cosmetics. Explain its attraction to water and describe the interaction of glycerol with water

5. Why is the water molecule polar?

6. How does water enable cell membranes to form?

7. Explain four unique properties create an environment hospitable to life?

8. What is the difference between hydrolysis and dehydration synthesis?

9. Compare briefly the significance of respiration and photosynthesis, and generally describe the organisms in which they are found.

10. Summarize the biological pathways available to glucose after being absorbed into the bloodstream.