

Biomolecules Worksheet

Name: _____ Period: _____ Date: _____

(Handwritten chemical structures are visible in the background of this section)

a. Write the structural formula of the compound of this compound.

b. Use your book to determine the name of the compound.

c. Write the structure of the α isomer of a disaccharide of this compound that contains a $\beta(1 \rightarrow 4)$ linkage.

d. Would the compound you drew in part c be able to undergo mutarotation? Why or why not?

e. Draw the structure of a triglyceride that contains 2 molecules of stearic acid and 1 molecule of palmitic acid.

3. Give the structural formula for the major organic product.