

PSC-4012 Quiz # 5

Name:

Date:

1. Potassium and Bromine are two elements.
 - a) What type of chemical bond exists between these two elements?
 - b) Explain what led you to this conclusion.
 - c) Give the Lewis diagram for each of these elements.
 - d) Give the Lewis diagram of the compound formed by these two elements.
 - e) Can a structural formula representation be drawn for this compound? _____
If yes, draw it here:

Fun fact: Potassium bromide is usually the first-choice treatment for dogs with epilepsy!

2. Phosphorus and Chlorine are two elements.

a) What type of chemical bond exists between these two elements?

b) Explain what led you to this conclusion.

c) Give the Lewis diagram for each of these elements.

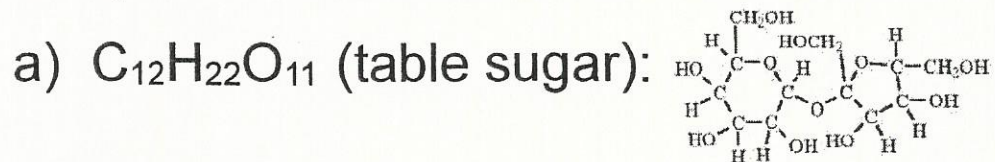
d) Give the Lewis diagram of the compound formed by these two elements.

e) Can a structural formula representation be drawn for this compound? _____

If yes, draw it here:

Bonus: Write the name of this compound: _____

3. Calculate the molar mass of the following compounds. All work must be shown!



e)

