

This quiz is take-home and open book, and it is intended that all members of the group contribute to completing it. It is a violation of the Academic Honor Code to sign a quiz that you did not work on. **The quiz is due at the end of class on Thursday, October 26.**

**List names in alphabetical order, and print them clearly!**

**Put names on all pages, and staple pages together**

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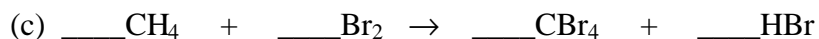
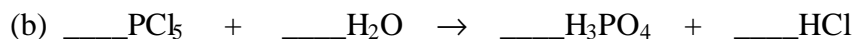
Points

- (3) 1. Circle the following compounds in which hydrogen bonding would play a role in the intermolecular forces:

CH<sub>4</sub>      NH<sub>3</sub>      H<sub>2</sub>O      HCl      HF      H<sub>2</sub>S

- (2) 2. List four unusual properties of water.

- (5) 3. Balance the following chemical equations.



List names in alphabetical order. **Be sure to staple pages together!**

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(5) 4. What is the formula weight (in amu) of the following substances?: (okay to round answer to one decimal point).

(a) KBr

(b)  $\text{Na}_2\text{HPO}_4$

(c)  $\text{NCl}_3$

(d)  $\text{ICl}_5$

(e)  $\text{C}_{12}\text{H}_{22}\text{O}_{11}$