

“Assessment” – Bonding

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1. Determine if the following element combinations are **covalent** bonding or **ionic** bonding

- a. Mg & P _____
- b. O & Br _____
- c. U & F _____
- d. Carbon & Hydrogen _____

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2. For the following ionic compounds, show the transfer of electrons, the creation of all ions and the formula unit.

a. Draw the Lewis Structure for Potassium & Oxygen Formula Unit: _____	b. Draw the Lewis Structure for Be & N Formula Unit: _____
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3. For the following covalent compounds, show the electron totals, electron placement & bonds

a. Draw the Lewis Structure for CO ₂ 	b. Draw the Lewis Structure for CH ₄
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