

Name _____ Period _____

College Prep Chemistry of the Earth

Assignment 7B – Volume Conversions

20 Points

Convert the following volume and pressure units to their new values based on the conversion factors provided.

Volume Conversions

Conversion Factors	1L = 1000mL
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Convert 419.39 mL H₂(g) to L H₂(g)

419.39
0.41939

~~419.39 mL H₂~~ | 1 L H₂

~~1000 mL H₂~~

L H₂(g) = 0.41939 * L H₂

* Don't Round conv. for V

Convert 4.28 L CO₂(g) to mL CO₂(g)

4.28
4280.
Drop Dec.

4.28 L CO₂ | 1000 mL CO₂

~~1 L CO₂~~

mL CO₂(g) = 4280 * mL CO₂

Convert 384.22mL Br₂(g) to L Br₂(g)

L Br₂(g) =

Convert 4.28L SO₃(g) to mL SO₃(g)

mL SO₃(g) =

Convert 12.84L CH₄(g) to mL CH₄(g)

mL CH₄(g) =

Convert 254.52 mL C₂H₄(g) to L C₂H₄(g)

254.52 mL C₂H₄ | 1 L C₂H₄

~~1000 mL C₂H₄~~

L C₂H₄(g) = 0.25452 L C₂H₄

Convert 8.27L F₂(g) to mL F₂(g)

mL F₂(g) =

Convert 1924.34mL O₂(g) to L O₂(g)

L O₂(g) =