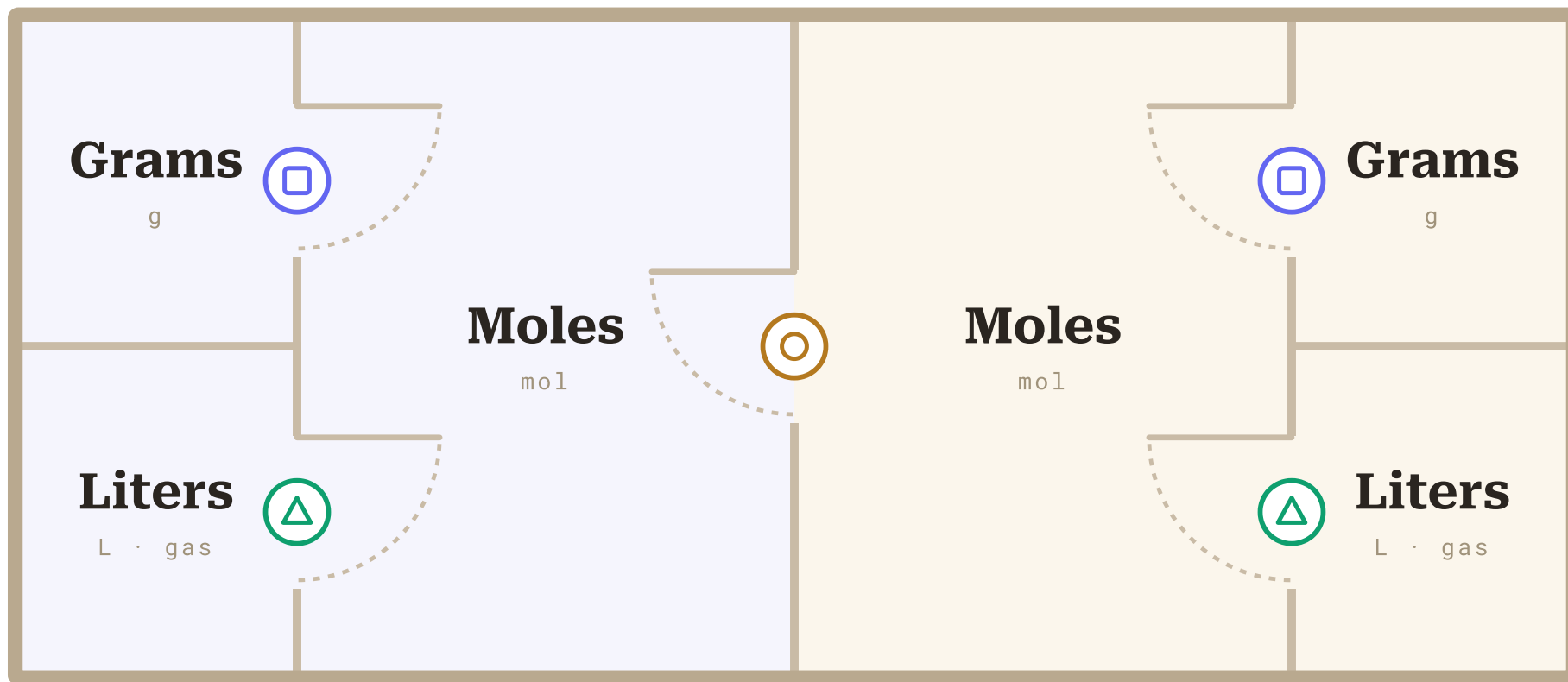


The Stoichiometry House

Start in the room you have. Unlock each door with its key.
Finish in the room you want.

BALANCED EQUATION _____

A · WHAT YOU HAVE _____ B · WHAT YOU WANT _____



Molar mass key

GRAMS ↔ MOLES

Divide going into moles.
Multiply going out.



Mole ratio key

MOLES A ↔ MOLES B

Multiply by coefficient
wanted over coefficient
given.



Gas key

MOLES ↔ LITERS

At STP, use 22.4 L/mol.
Otherwise, use $PV = nRT$.