

Unit 8: Ch 13 – Kinetic Molecular Theory (KMT)

REVIEW OF GASES:

- Gases have _____ definite _____ or _____.
- Gases will _____ to fill its container.

KINETIC MOLECULAR THEORY (KMT):

- Describes the _____ of _____ in *motion*.

- ASSUMPTIONS of KMT:

- **1A:** Gases are *tiny* particles with _____ that are moving in _____, _____, _____, _____ motion.
- **1B: Average** _____ is _____ proportional to _____ temperature.
- **2:** Particle _____ of gases are much _____ than _____ between them.
 - Most *volume occupied* by a gas is _____.
 - Gases travel _____ apart from each other.
- **3:** _____ *effective* forces of _____ or _____.
 - **NO** _____ between gas particles and the container wall upon _____.
- **4:** All gas _____ are *perfectly* _____.
 - **NO** energy _____ *during* the collision.
 - _____