

Names

Date

Period

Grade:

EXPERIMENT 21

EXPLORING THE MOLE

Lab time: 2per.

Data Tables

Analysis:

1. Which substance has the greatest atomic mass?
2. Which substance has the greatest mass in one mole?
3. Which substance has the greatest volume in one mole?
4. Can you relate the mass of one mole to that substance's atomic mass? Explain.
5. Does the volume of a mole of substance relate to its atomic mass? Explain.
6. Can you observe any pattern to a substances mole volume and its physical state?