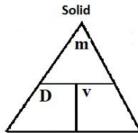
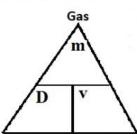
3. Substance: Carbon dioxide

Phase: Gas Phase: Solid Volume Density Mass Density Volume Mass g/cm³ g/cm3 100 cm3 100 cm3 156 g 0.198 g answer 4 decimals answer Name of phase change from solid to gas 5 decimals

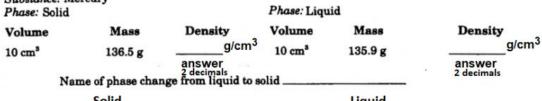


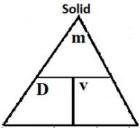


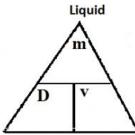
Which is more dense, the solid or gas? solid gas

How does the arrangement of the particles in a solid and a gas explain your answer? The particles in a **solid gas** are packed more closely together this **increases decreases** density.

4. Substance: Mercury





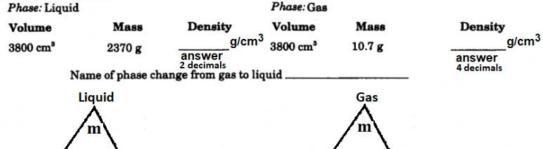


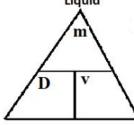
Which is more dense, the solid or liquid? solid liquid

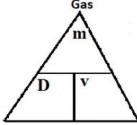
How does the arrangement of the particles in a solid and a liquid explain your answer?

The particles in a solid liquid are packed more closely together this increases decreases density.

5. Substance: Pentane







Which is more dense, the liquid or gas? liquid gas

How does the arrangement of the particles in a liquid and a gas explain your answer?

The particles in a liquid gas are packed more closely together this increases decreases density.

