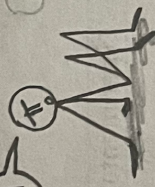


Andrew, R

MOLE LAB (Part II)  
Data & Observations

| Specimen | Mass of 1 mole | Atomic Mass | Description                   | Element's Identity | Molar Mass/(6.02 x 10 <sup>23</sup> atoms) | (lwh)/(6.02 x 10 <sup>23</sup> atoms)           | $\sqrt[3]{Volume}$          | Atomic Diameter             | Atomic Radius               |
|----------|----------------|-------------|-------------------------------|--------------------|--------------------------------------------|-------------------------------------------------|-----------------------------|-----------------------------|-----------------------------|
| A        | 65.66g         | 66g         | Dull silver<br>Heavy speckled | Zn<br>Zinc         | 1.091 x 10 <sup>-23</sup> g                | 1.11 x 10 <sup>-23</sup> cm <sup>3</sup> /atom  | 2.23 x 10 <sup>-8</sup> cm  | 2.23 x 10 <sup>-8</sup> cm  | 1.12 x 10 <sup>-8</sup> cm  |
| B        | 27.2g          | 27g         | Light silver<br>shiny         | Al<br>Aluminum     | 4.158 x 10 <sup>-23</sup> g                | 1.483 x 10 <sup>-23</sup> cm <sup>3</sup> /atom | 2.457 x 10 <sup>-8</sup> cm | 2.457 x 10 <sup>-8</sup> cm | 1.23 x 10 <sup>-8</sup> cm  |
| C        | 55.81g         | 56          | Heavy Dull<br>Peuter color    | Fe<br>Iron         | 9.271 x 10 <sup>-23</sup> g                | 1.052 x 10 <sup>-23</sup> cm <sup>3</sup> /atom | 2.191 x 10 <sup>-8</sup> cm | 2.191 x 10 <sup>-8</sup> cm | 1.096 x 10 <sup>-8</sup> cm |
| D        | 63.42g         | 64          | Shiny<br>Heavy speckled       | Cu<br>Copper       | 1.053 x 10 <sup>-23</sup> g                | 1.028 x 10 <sup>-23</sup> cm <sup>3</sup> /atom | 2.174 x 10 <sup>-8</sup> cm | 2.174 x 10 <sup>-8</sup> cm | 1.087 x 10 <sup>-8</sup> cm |

Bruh 

6.192