

SANGAM SKM COLLEGE NADI

CHEMISTRY YEAR 12

WEEK 4- WORKSHEET

Fun mole maze

Not only is the mole our chemistry mascot, it is a fundamental unit of matter. One mole contains 6.022×10^{23} of whatever is being measured. It is often a challenge for students to understand that the mole provides a way of measuring matter. The maze puzzle on the next page focuses on the mole with concepts such as molar ratios, gas laws, and solutions.

INSTRUCTIONS

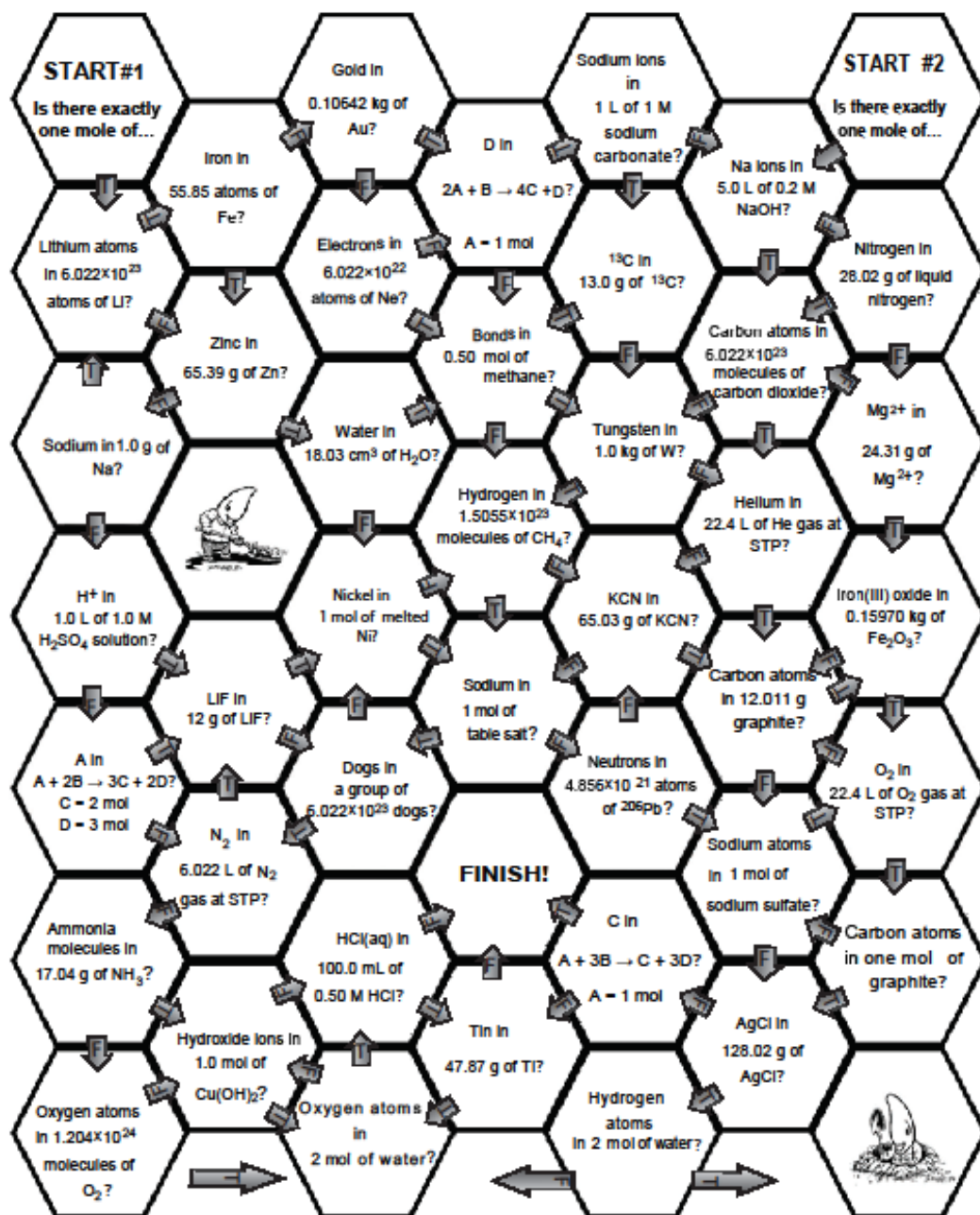
Begin at one of the two starting locations (Start 1 and 2) and work through the questions to reach the finish space (Finish).

In each space there is a question that continues from that statement in the start box.

For example: “Is there one mole of Lithium atoms in 6.022×10^{23} atoms of Li?”

If the content of hexagon equals one mole, follow the “true” arrow marked with a “T”. If it does not equal one mole, follow the “false” arrow marked with a “F”. Continue until the Finish is reached. At the bottom of the puzzle, students can record their “T” or “F” paths in the space provided. You have to reach to **FINISH**.

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Start 1 T _____
Start 2 _____