MYTEK LAB

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CERTIFICATE OF ACHIEVEMENT

LEARNING KIT COMPLETION

This certifies that

Your Name

SAMPLE

has completed every step of the learning kit

Count every atom

Chemistry and physical science

Stephen Souders

MYTEK LAB

MYTEK LAB

LEARNING KIT

2026

November 15, 2026

DATE COMPLETED

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STEPS COMPLETED

Certificate SAMPLE

LEARNER

Your Name

SUBJECT

Chemistry and physical science

Each step below was done with the kit **Count every atom**, finished November 15, 2026.

- ✓ Step 1: The atom that vanished
- ✓ Step 2: Balance four
- ✓ Step 3: Heavier after burning
- ✓ Step 4: Lid on, lid off
- ✓ Step 5: The same atoms, there and back
- ✓ Step 6: Fix the claim

SAMPLE

For the parent or teacher

Sign here when you have seen the work.

PARENT OR TEACHER SIGNATURE

DATE

MY WORK

Your Name: Count every atom

Different reactions I balanced	7
The last equation I balanced	C6H12O6 + 6 O2 -> 6 CO2 + 6 H2O
My reply about the steel wool	The scale is not broken. The steel wool went from 85.0 g to 85.6 g because oxygen atoms from the air joined the iron, so the pad holds more atoms than before.
Step 1. The scale before and after the first run, and before and after the balanced run.	(what the learner wrote)
Step 1. Your balanced equation for water.	(what the learner wrote)
Step 2. Your balanced equation for methane.	(what the learner wrote)
Step 2. The two reactions you picked, and which atom was hardest to balance.	(what the learner wrote)
Step 3. Steel wool before and after, and the candle before and after.	(what the learner wrote)
Step 3. Where did the steel wool's extra mass come from? Where did the candle's mass go?	(what the learner wrote)
Step 4. The sealed bag before and after, and the open cup before and after.	(what the learner wrote)
Step 4. Where did the missing mass go?	(what the learner wrote)
Step 5. Both balanced equations.	(what the learner wrote)
Step 5. How are the two equations related?	(what the learner wrote)
Step 6. Your reply, in your own words.	(what the learner wrote)
Step 6. In one sentence: why does the mass stay the same in a sealed flask?	(what the learner wrote)