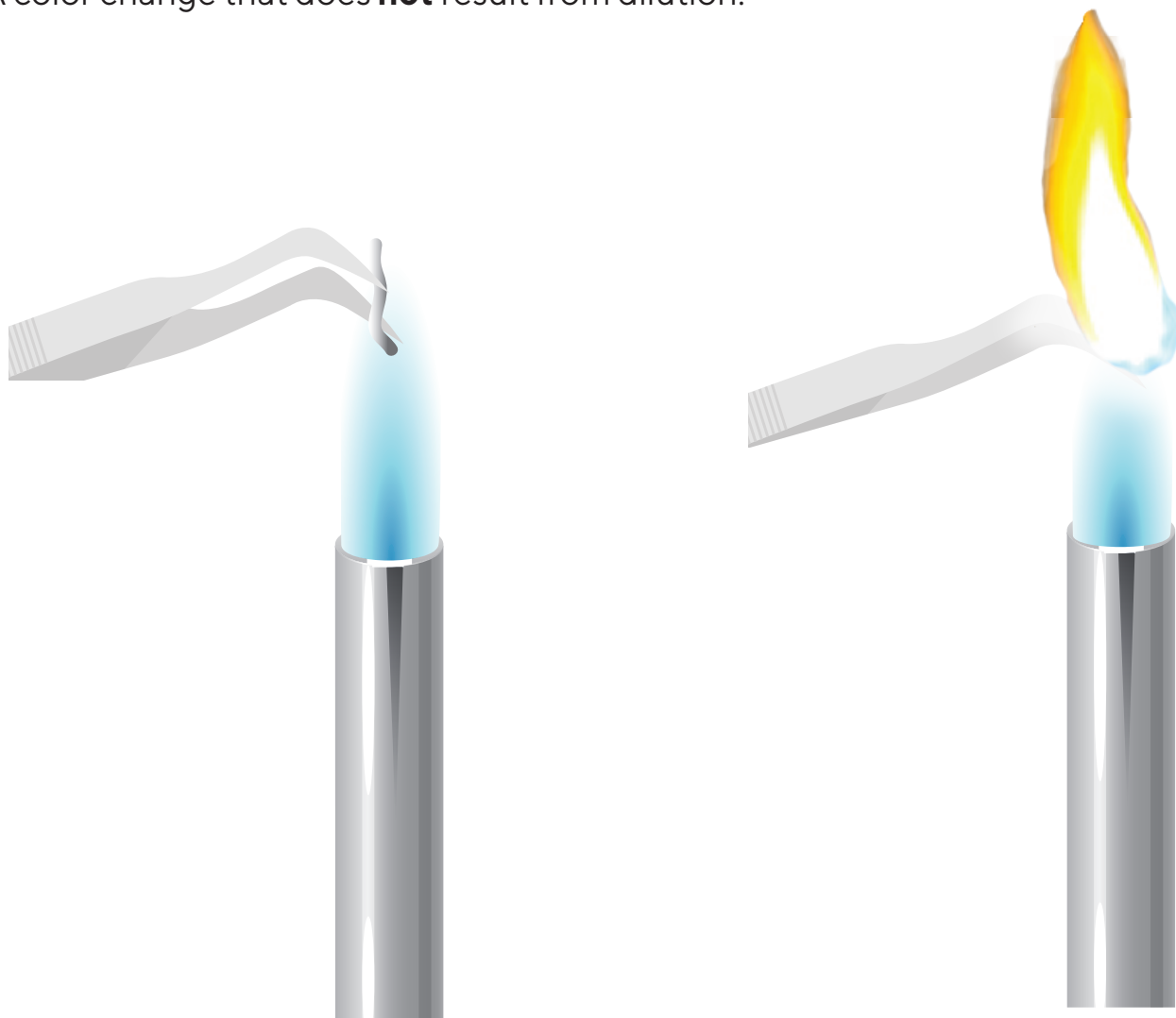


Chemical reactions

A chemical reaction results in the transformation of reactants into new substances (products) as a result of a chemical change. Remember, a physical change is different than a chemical change. A physical change is when a substance simply changes from one state to a different state (e.g., water becoming ice). A chemical change is a change in the chemical composition of a substance. Signs of a chemical change include:

- Release of gas bubbles that are **not** due to a physical change.
- Energy is released or absorbed (e.g., temperature changes, light, etc.).
- Formation of a solid precipitate.
- A color change that does **not** result from dilution.



Magnesium ribbon
being burned.

Energy is being
released in the form of
a bright **light**.