

Learning Goal #1:

describe how chemical
energy is stored in
chemical compounds

**Learning Goal #2:
describe the different
energy transformations
when chemical energy is
released during a chemical
reaction and provide
evidence**

**How is chemical energy stored
in chemical compounds?**

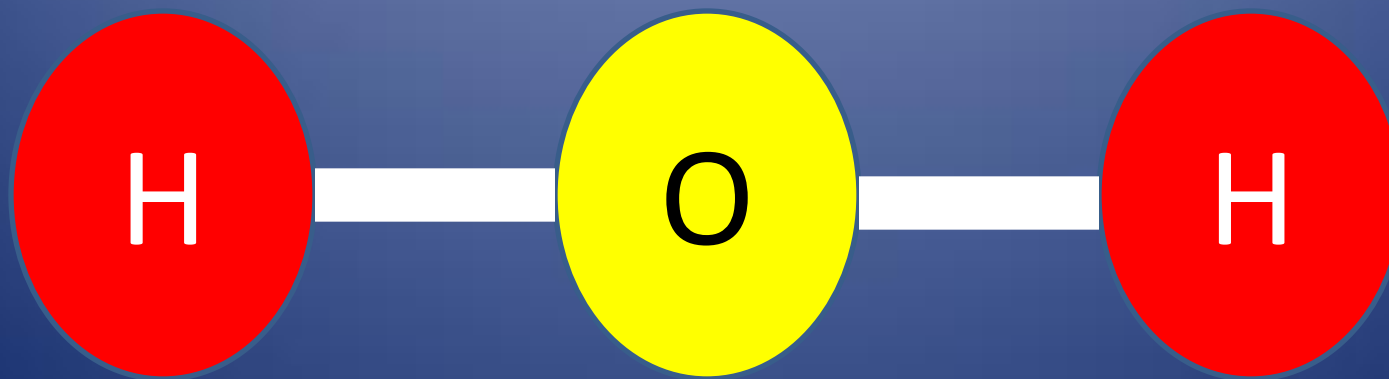
ANSWER:

**in the chemical bonds of
a compound**

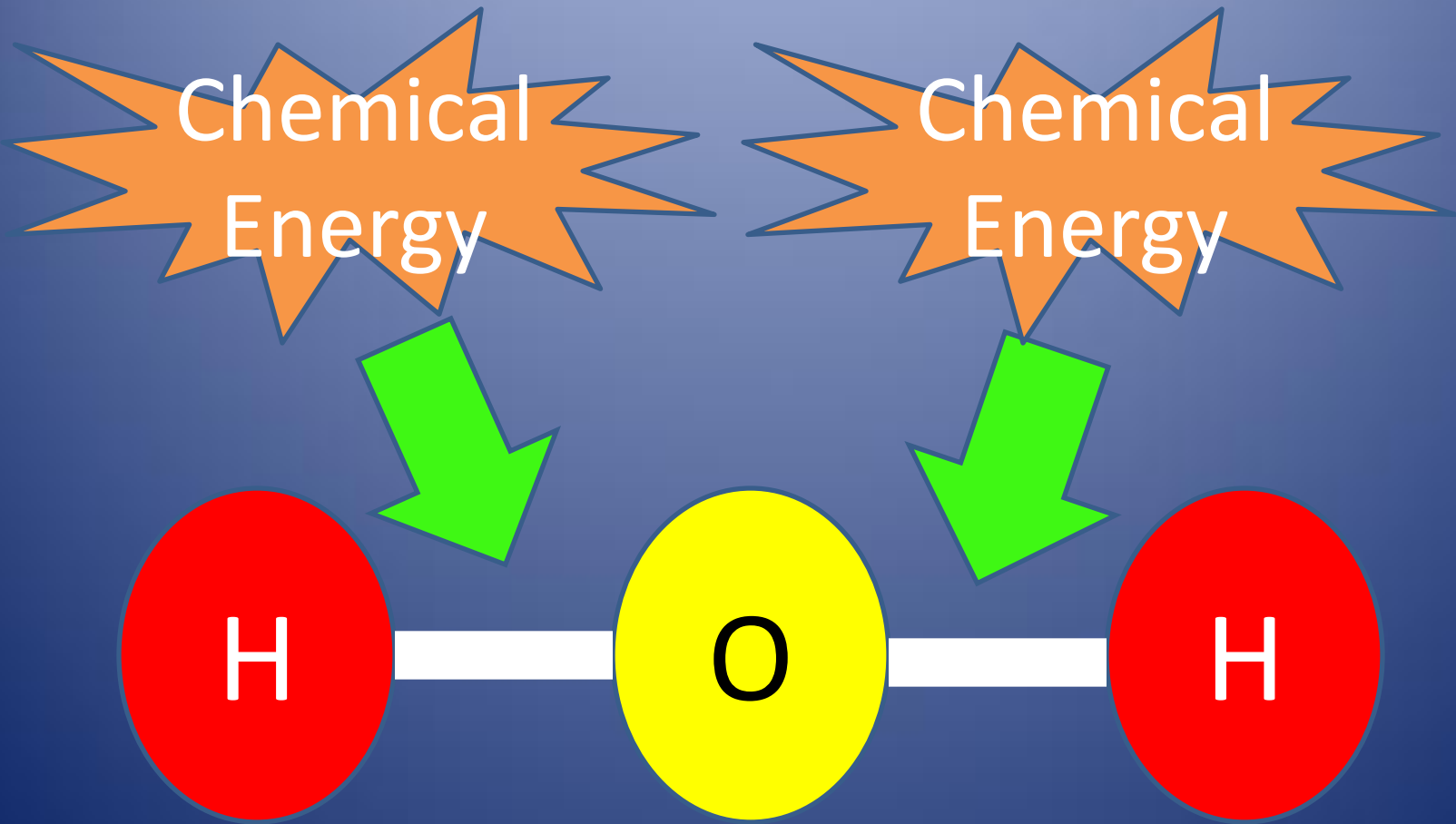
Energy

Energy

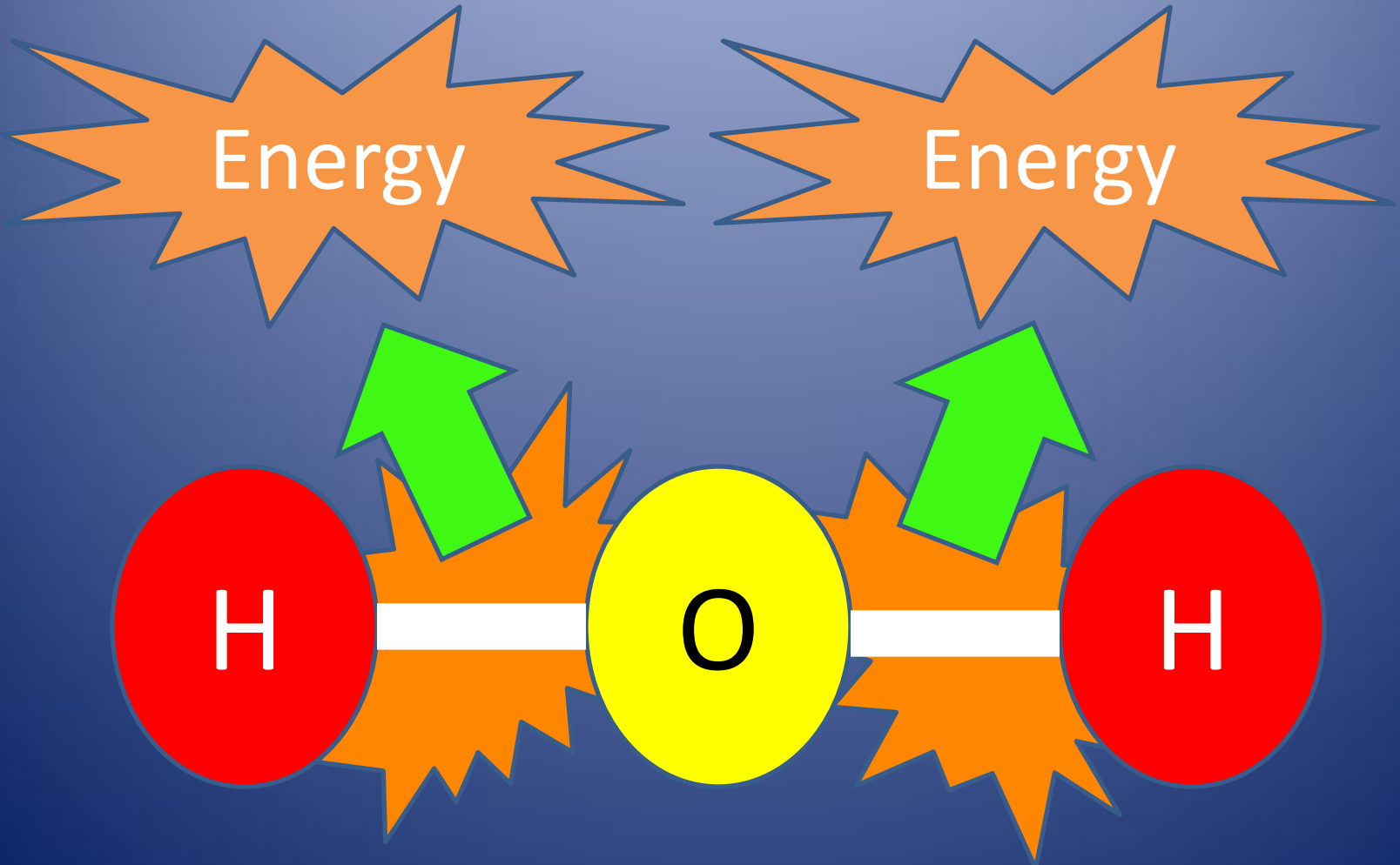
It takes energy to form
chemical bonds.



It takes energy to form
chemical bonds.



When chemical bonds break, it releases energy.



Energy Transformation

- Energy cannot be created or destroyed
- energy can only change form
- Law of conservation of energy

Amount of
Potential
Energy



Amount of
Kinetic
Energy



Amount of
energy you
start with



Amount of
energy you
end with



