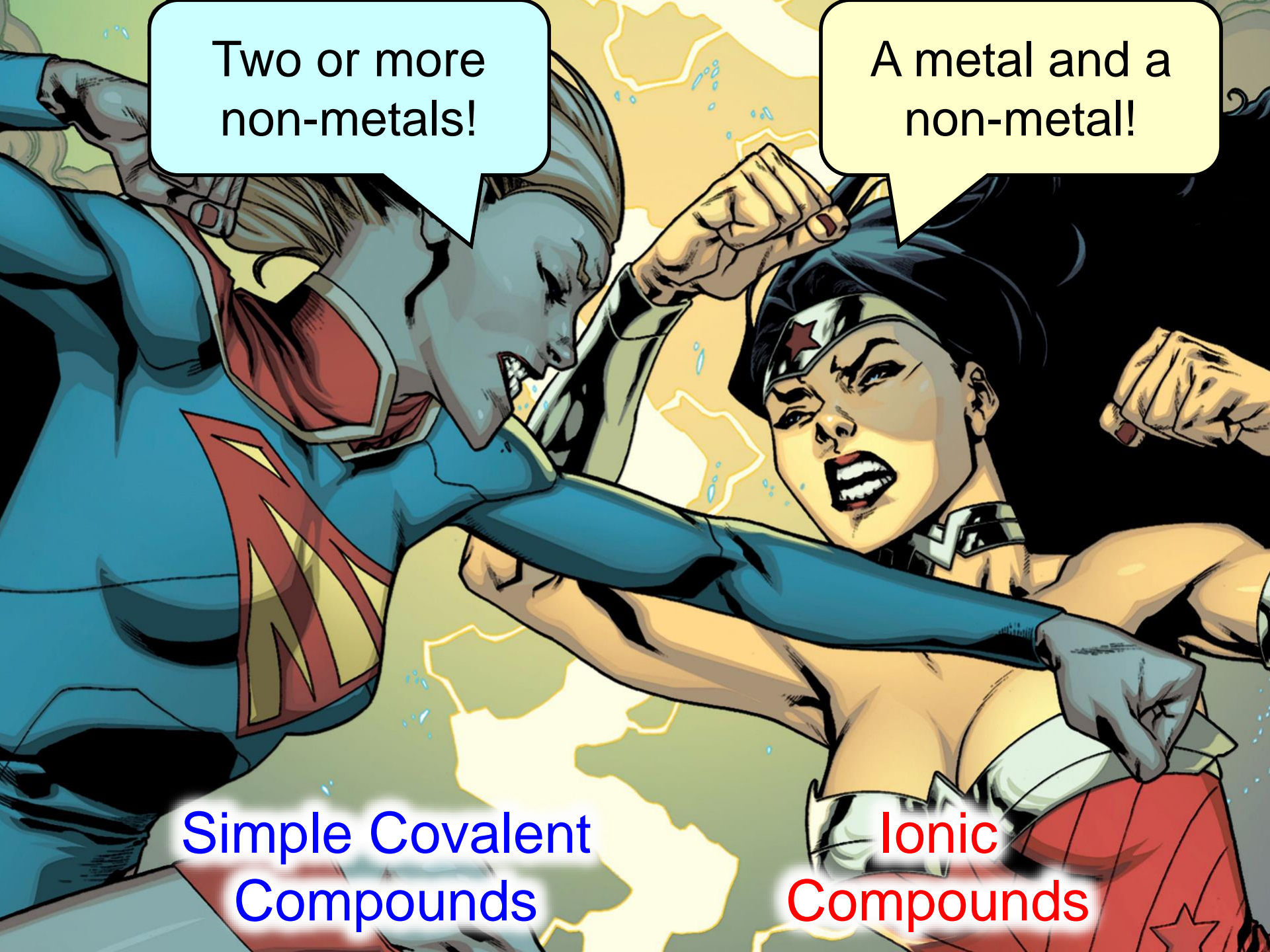
A dynamic comic book illustration of Supergirl and Wonder Woman in a fierce battle. Supergirl, on the left, is shown in profile, wearing her blue suit with the red and yellow 'S' shield. She has a determined expression and is lunging forward. Wonder Woman, on the right, is facing her, wearing her iconic blue and red costume with a silver tiara and gauntlets. She has a fierce, shouting expression. The background is a bright, hazy yellow with some blue energy sparks. Two speech bubbles are present: a light blue one from Supergirl and a light yellow one from Wonder Woman. At the bottom, there are two labels: 'Simple Covalent Compounds' in blue and 'Ionic Compounds' in red.

Covalent
Bonding!

Ionic
Bonding!

Simple Covalent
Compounds

Ionic
Compounds

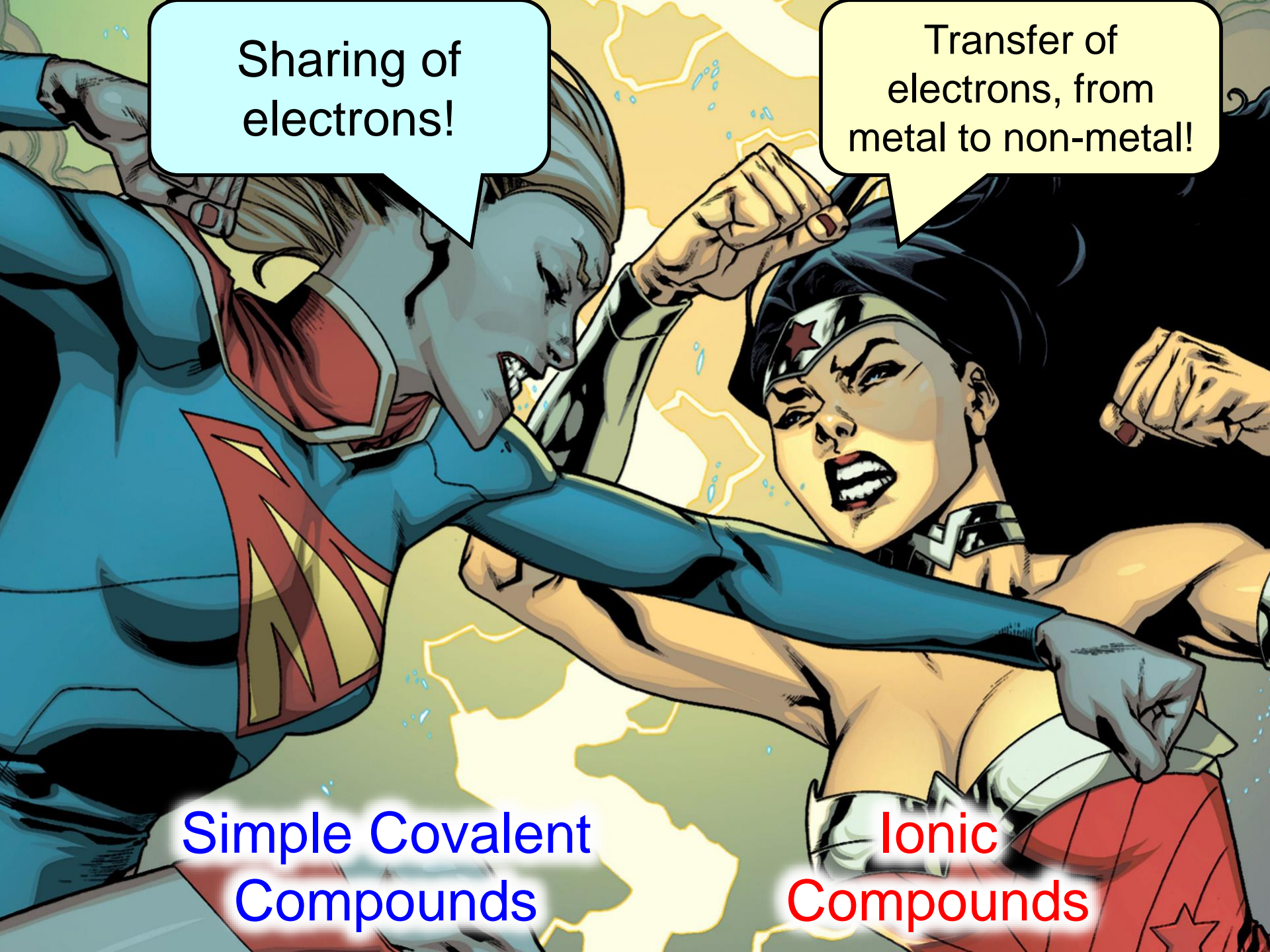
A comic book illustration of Supergirl and Wonder Woman in a physical struggle. Supergirl, on the left, is wearing her blue suit with a red and yellow 'S' shield. Wonder Woman, on the right, is wearing her red and blue suit with a white star on her forehead. They are both shouting and exerting force against each other. The background is a bright, yellowish-orange with some blue energy sparks.

Two or more
non-metals!

A metal and a
non-metal!

Simple Covalent
Compounds

Ionic
Compounds

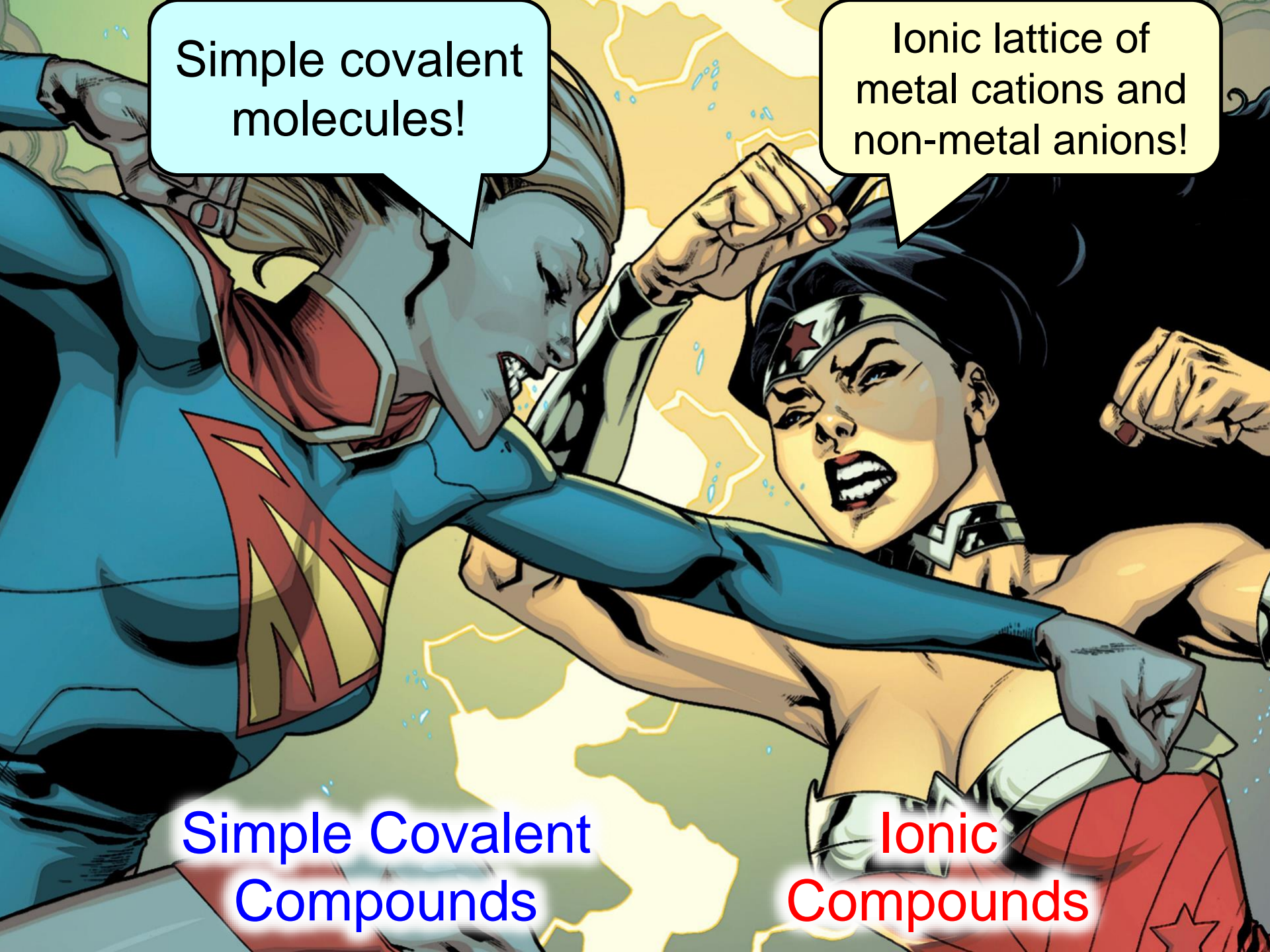


Sharing of
electrons!

Transfer of
electrons, from
metal to non-metal!

Simple Covalent
Compounds

Ionic
Compounds


A comic book illustration of Supergirl and Wonder Woman in a physical struggle. Supergirl, on the left, is wearing her blue suit with a red and yellow 'S' shield. Wonder Woman, on the right, is wearing her red and gold armor with a star on her forehead. They are both shouting and exerting force against each other. The background is a bright yellow and orange energy field.

Simple covalent
molecules!

Ionic lattice of
metal cations and
non-metal anions!

Simple Covalent
Compounds

Ionic
Compounds

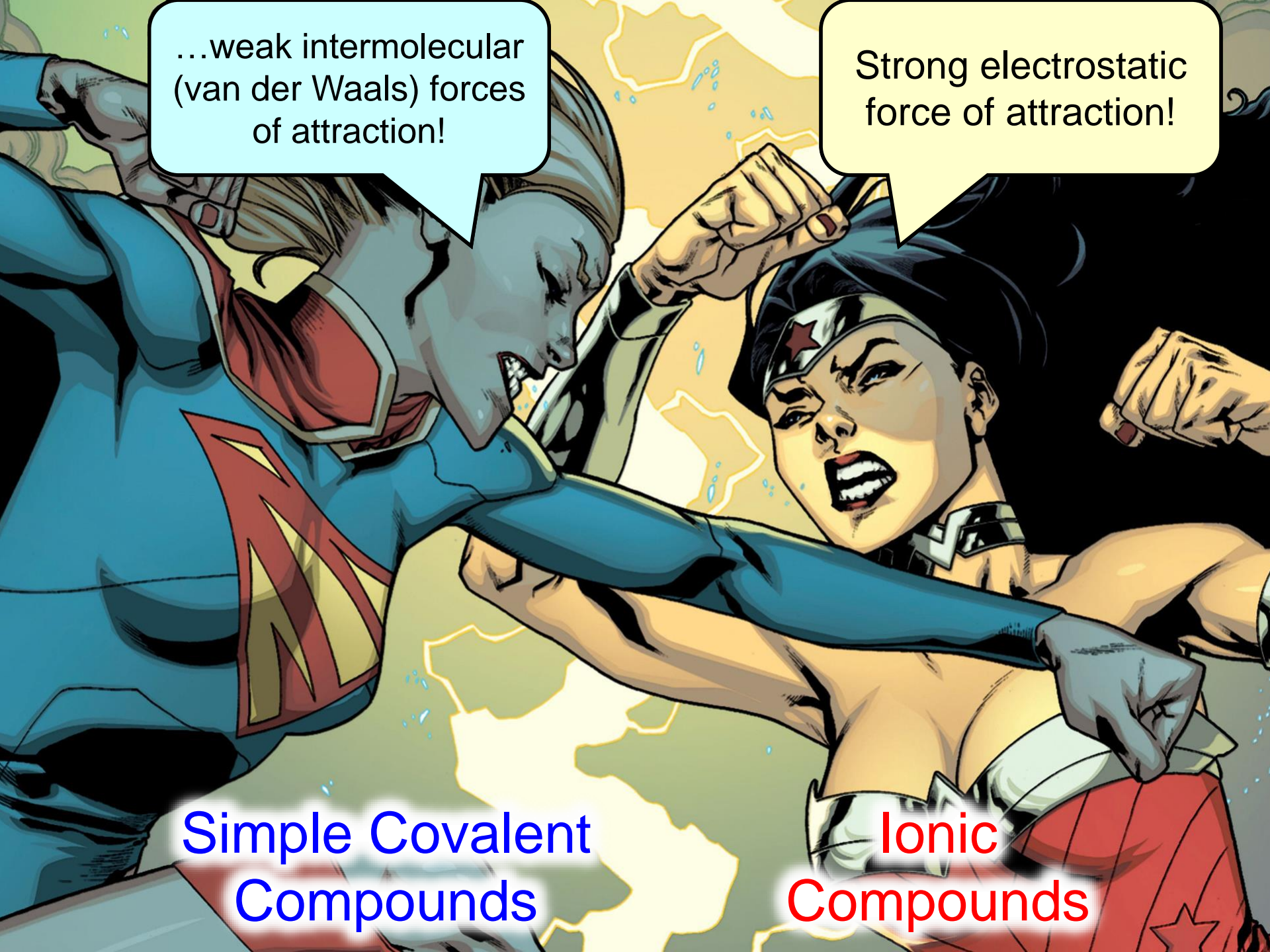
A comic book illustration showing Supergirl on the left and Wonder Woman on the right in a physical struggle. Supergirl is wearing her blue suit with the red and yellow 'S' shield. Wonder Woman is wearing her red and blue outfit with a tiara. They are both shouting and exerting force. The background is a bright, yellowish-orange with some blue energy sparks.

Strong covalent
bonds, but...

...

Simple Covalent
Compounds

Ionic
Compounds

A comic book illustration showing Supergirl on the left and Wonder Woman on the right. Supergirl is wearing her blue suit with a red and yellow 'S' shield. Wonder Woman is wearing her red and blue outfit with a gold tiara and lasso. They are both in a fighting stance, with Supergirl's arm extended towards Wonder Woman. The background is a bright yellow and orange sky with stylized clouds.

...weak intermolecular
(van der Waals) forces
of attraction!

Strong electrostatic
force of attraction!

Simple Covalent
Compounds

Ionic
Compounds

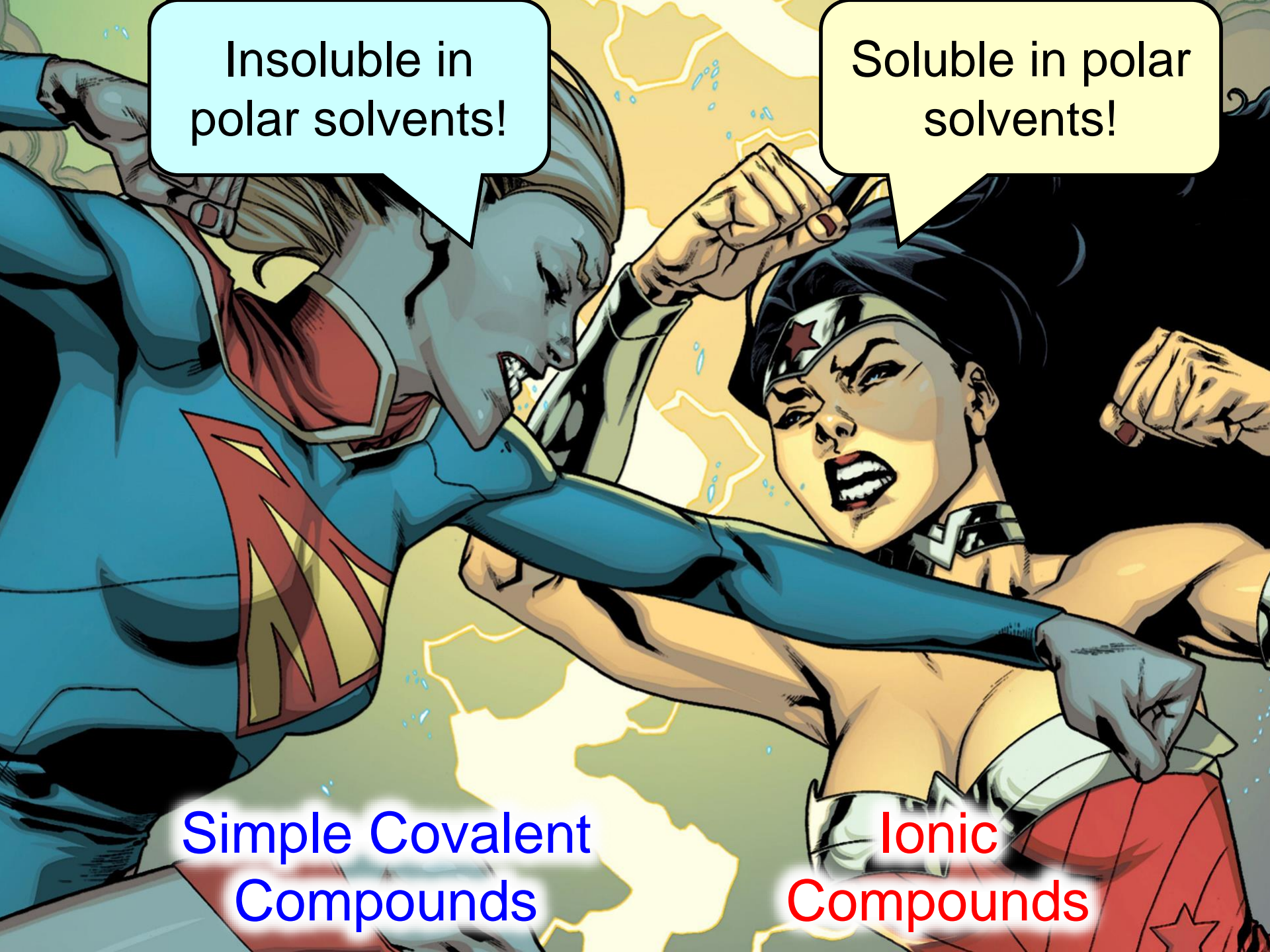


Low melting points
and boiling points!

High melting
points and boiling
points!

Simple Covalent
Compounds

Ionic
Compounds

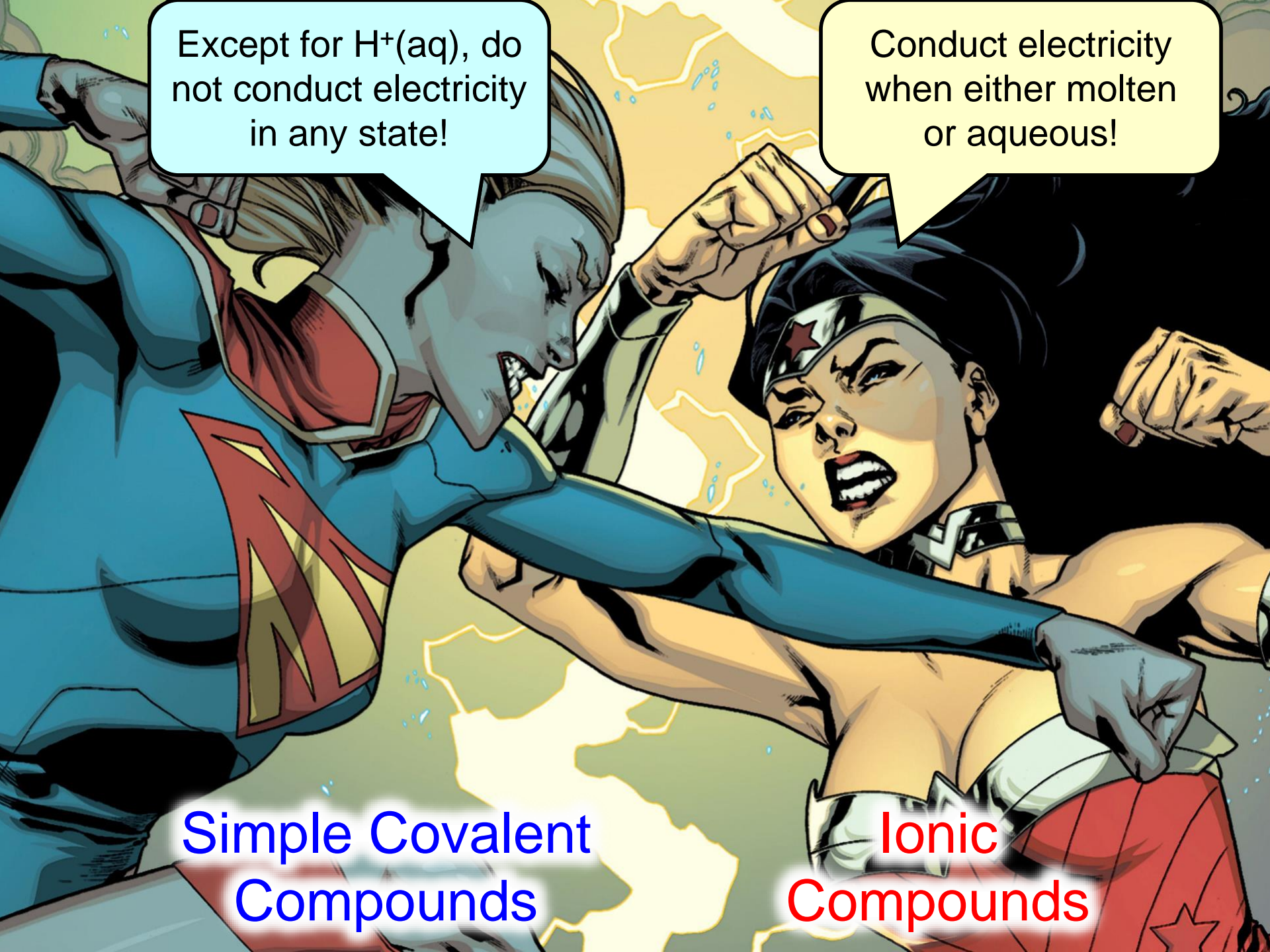


Insoluble in
polar solvents!

Soluble in polar
solvents!

Simple Covalent
Compounds

Ionic
Compounds

A dynamic comic book illustration of Superman and Wonder Woman in a physical struggle. Superman, on the left, is wearing his classic blue suit with a red and yellow 'S' shield. He is being pushed back by Wonder Woman, who is on the right, wearing her iconic blue and red costume with a silver tiara and gauntlets. She has a determined, fierce expression. The background is a bright, hazy yellow with some blue energy sparks. Two speech bubbles are present: a light blue one from Superman and a yellow one from Wonder Woman. At the bottom, two labels identify the characters: 'Simple Covalent Compounds' for Superman and 'Ionic Compounds' for Wonder Woman.

Except for $\text{H}^+(\text{aq})$, do not conduct electricity in any state!

Conduct electricity when either molten or aqueous!

Simple Covalent
Compounds

Ionic
Compounds

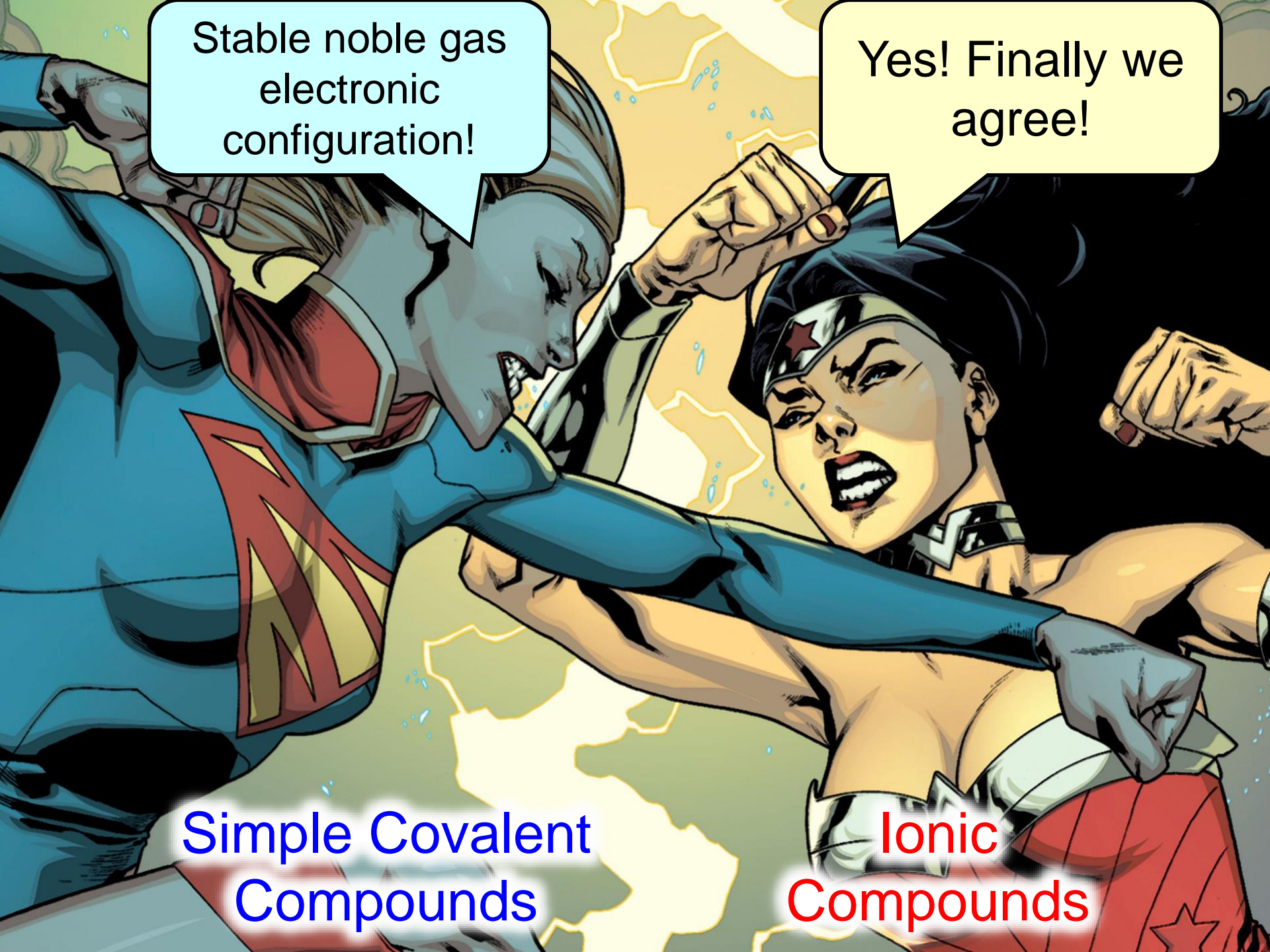


Relatively soft!

Hard and brittle!

Simple Covalent
Compounds

Ionic
Compounds



Stable noble gas
electronic
configuration!

Yes! Finally we
agree!

Simple Covalent
Compounds

Ionic
Compounds



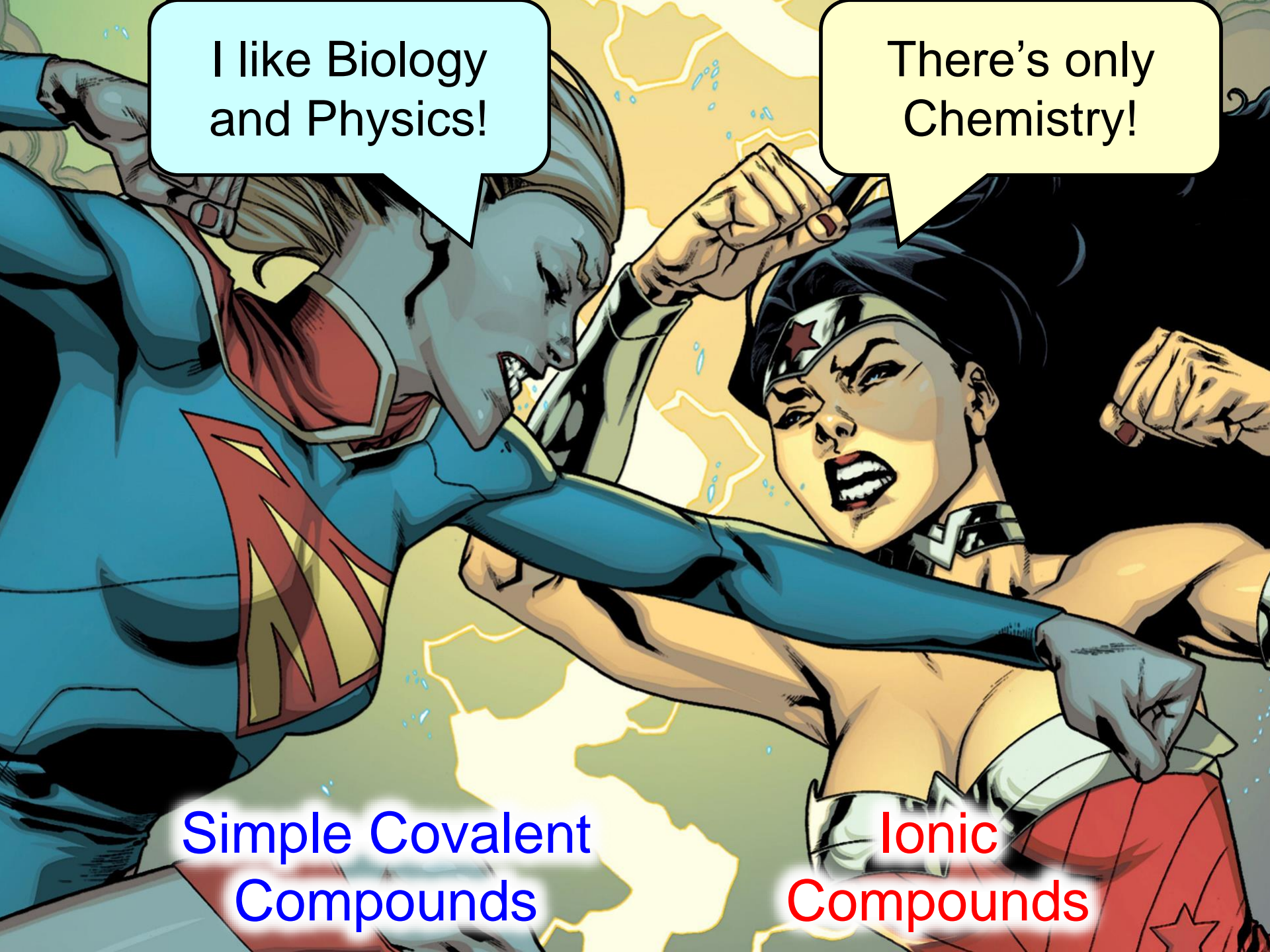


I like Biology
and Physics!

How dare you!

Simple Covalent
Compounds

Ionic
Compounds



I like Biology
and Physics!

There's only
Chemistry!

Simple Covalent
Compounds

Ionic
Compounds

