The States of Matter

(A parody sung to the tune of "Battle Hymn of the Republic")

Verse 1

The states of matter come from atoms energy they store And it's constantly exerted as they vibrate back and forth As the energy accumulates, the atoms vibrate more Phase changes can occur!



Image by Animation Factory.

Chorus

Solid, Liquid, Gas and Plasma Solid, Liquid, Gas and Plasma Solid, Liquid, Gas and Plasma And now Bose-Einstein!

Verse 2

Solids have less energy with atoms locked in place Liquid atoms move around and take up different shapes Gaseous atoms move apart and fill up any space And Plasma photons glow!

Chorus

Solid, Liquid, Gas and Plasma Solid, Liquid, Gas and Plasma Solid, Liquid, Gas and Plasma And now Bose-Einstein!

Verse 3

Now Einstein hypothesized another state exists

And more recently a scientist has found what he had missed

A state at real cold temperatures that aren't in our midst

Bose found it could subsist!

Chorus

Solid, Liquid, Gas and Plasma Solid, Liquid, Gas and Plasma Solid, Liquid, Gas and Plasma And now Bose-Einstein! And now Bose-Einstein!

And now Bose-Einstein!



Image by Animation Factory.