

Periodicity

by Evan P. Silberstein

"How are the elements arranged?" you ask.
Mendeleev said they're arranged by mass,
'Cause when they're arranged by mass, you will see,
The properties repeat so periodically.

My dear Mr. Mendeleev, I think you've erred.
There's another order that is much preferred.
When elements're arranged by mass, unfortunately,
Some of them end up in the wrong family.

Chorus:

Periodicity is really cool.
Periodicity really rules.
It's one of chemistry's finest tools –
The Periodic Table, is oh so cool!

My name is Mosely, and I've found out,
Atomic number is the key, and there's no doubt.
Since protons are known to cause the properties,
Atomic number causes periodicity.

Why should all the elements have to fit?
Some of them are measured wrong, I'm sure of it.
I'm sure that when the mass is measured properly
All of them will fit in perfect harmony.

When elements are ordered by atomic number
No disorder shows up to disturb our slumber.
The elements all fall in the right family,
And the properties repeat so periodically.

Voice

"How are the el - e - ments ar - ranged?" you ask. Men - dele - ev said they're ar - ranged
by mass 'Cause when they're ar - ranged by mass you will see The pro - per - ties
re - peat so per - i - o - di - cally. CHORUS: Per - i - o - di - ci - ty is real - ly cool. - Per - i - o - di - ci -
ty real - ly rules. It's one of chem - i - stry's fin - est tools, The Per - i - o - dic Ta - ble is
oh so cool!