

The Sun Song



Our star, the Sun is a big ball of gas

And it's 99 percent of our solar system's mass

It's an average star in our Milky Way

Warming the Earth every day

What powers our Sun and makes it so bright?

Come on and tell me, what makes all that light?

Hans Bethe long ago reached the conclusion

It changes Hydrogen to Helium by nuclear fusion

When fusion takes place light is created

And it makes its way out (although rather belated)

Through the Photosphere that's the part that we
see

The light comes out and shines on you and me

About a million Earths could fit in the Sun

But if you were there you wouldn't have much fun

It's six thousand degrees at the photosphere

And much hotter inside the solar atmosphere

There are a few places where it's not so hot

Like at the center of a big sunspot

But heat is relative it's still pretty warm

Sitting on a sunspot would do you great harm

Galileo discovered sunspots

What are those things, those funny dots?

They're cooler parts, scientists feel

Caused by a stronger magnetic field

Those spots move around the face of the Sun

Proving to all... solar rotation!

A strange kind of movement, to do a full roll

25 days in the middle, 36 at the poles

What about flares? I've heard of them here

They're like giant explosions in the
Chromosphere

The magnetic fields above those sunspots

Reconnecting again after being in knots

Above the Chromosphere the Corona is placed

It's millions of degrees and reaches way into space

It's very thin, but read my lips

That's the part that you see in a solar eclipse

That's the end of our song about Mr. Sun

We hope that you find that learning is fun

But never look at the Sun, you could go blind

Just keep on enjoying that warm sunshine!