

# Make your own microscopic magma garland!

Silica is a molecule shaped like a pyramid. This shape is also called a tetrahedron.

Silica is a really important molecule in magma/lava! It is made of silicon and oxygen. Silica tetrahedra can connect (bond) together in magma, forming microscopic chain-like shapes. These chains are called polymers.

Is the magma runny like honey or sticky like peanut butter? The more silica that is in a magma, the more the silica connects to make these chains. The more of these chains that there are, the harder it is for magma to flow.

More silica means the magma is sticky like peanut butter. Less silica means the magma is runny like honey!

## INSTRUCTIONS

1. Cut along solid line
2. Fold along dashed line
3. Glue or tape together to make a pyramid shape.
4. Make more than one and string together to make a garland, like the chains of silica!

