

Phenyl Salicylate Reflection

What impact did rapid cooling have on crystal formations?

Lots of smaller, rounded crystals began to form almost immediately.

What impact did slow cooling have on the crystal formation?

Fewer, larger crystals that were thinner/more transparent with sharp, angular sides took a while to develop.

Like most experiments and labs in Earth Science, this is actually a modeling exercise. In what ways is Phenyl Salicylate good (or not so good) model for molten magma?



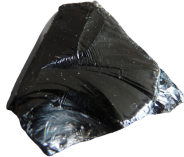
Yes, because it produces dramatically different results depending on how it's cooled...just like magma/lava.

How are all igneous rocks formed?

cooling and hardening

What is the difference between intrusive and extrusive igneous rocks?

**Intrusive cool more slowly inside the earth;
extrusive cool more quickly on the surface of the earth**

granite	basalt	obsidian
		

Obsidian has the fastest rate of cooling. (Basalt was also accepted as a correct answer because it, like obsidian, is an EXTRUSIVE igneous rock.)