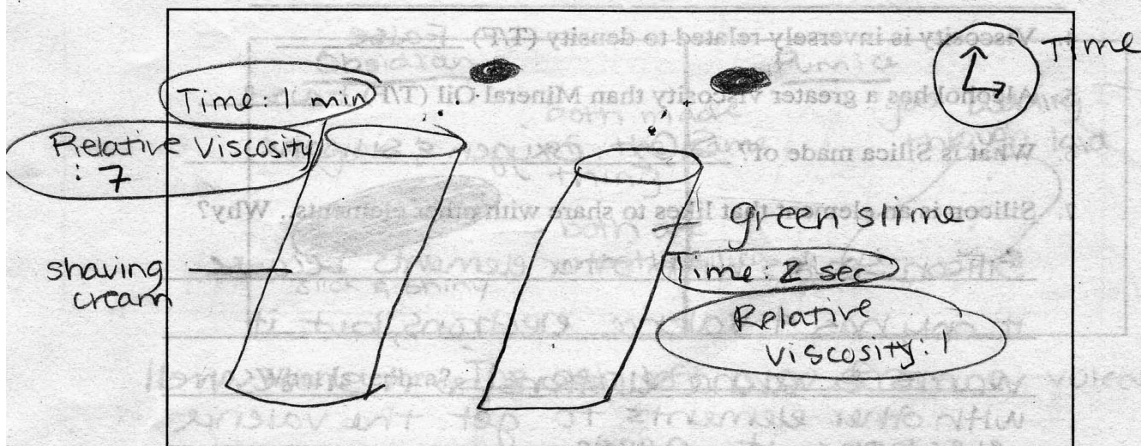


Earth Science Quiz 5

1. Which type of volcanic magma is the least viscous? Basaltic

Why? Because it has less silica than granitic magma, therefore it's less viscous.

2. Draw and label and explain how we can measure and compare the relative viscosity in shaving cream and green slime.



There would be a tube filled with each liquid, and then a ball would be dropped in each, and timed to see how long it takes for the ball to get to the bottom of the tube. The one that takes the longest would be more viscous, therefore would have a higher relative viscosity. The one that takes less time is less viscous therefore having a lower relative viscosity.