

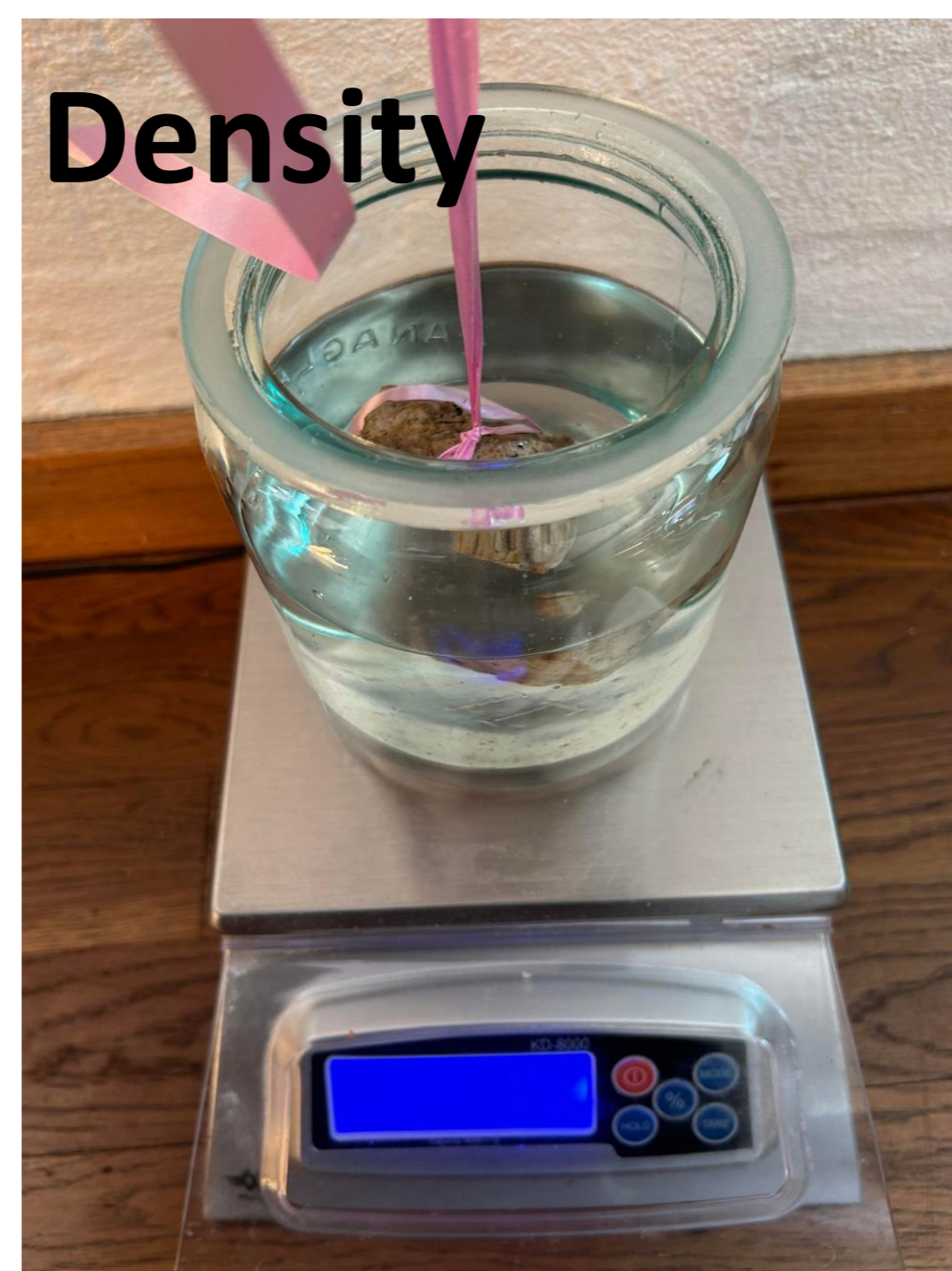
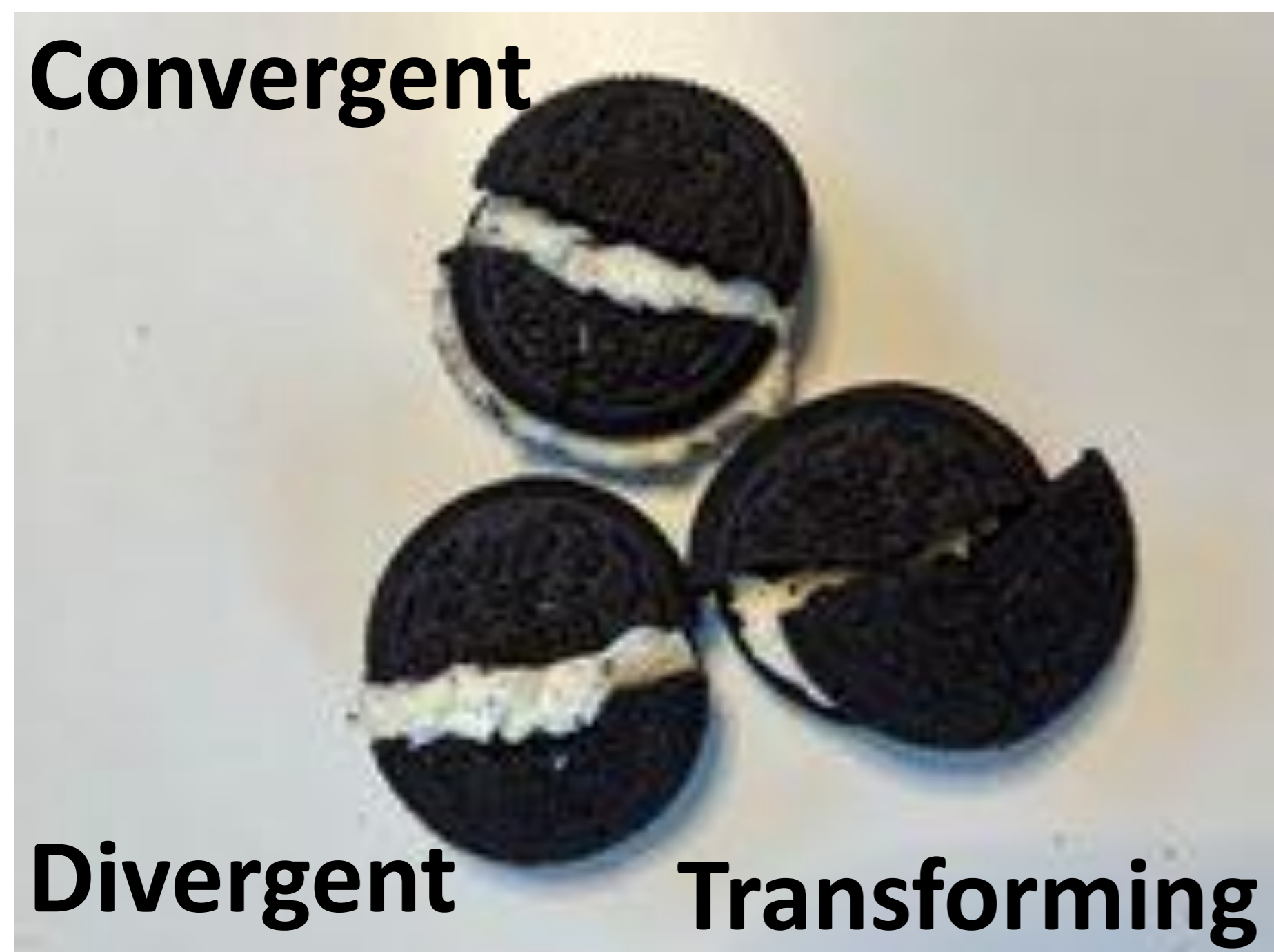
Pia Jeppesen | Odense Katedralskole | Denmark

Plate tectonics experiments

To understand plate tectonics, we use Oreos to illustrate divergent, convergent and transforming plate boundaries.

To understand why the oceanic crust, submerge the continental crust, students determine the density of basalt and granite rocks.. Potato flour is used to illustrate the plasticity of the asthenosphere.

Finally, cooked oatmeal is used as a model of lava with different velocity to illustrate how the content of silica (cooked oatmeal) affect the speed of lava and the shape of volcanos



Conclusion: By combining these experiments, students get at great understanding of plate tectonics. Due to the simplicity of these experiments, you can even have older students making the instructions for younger students to follow.