
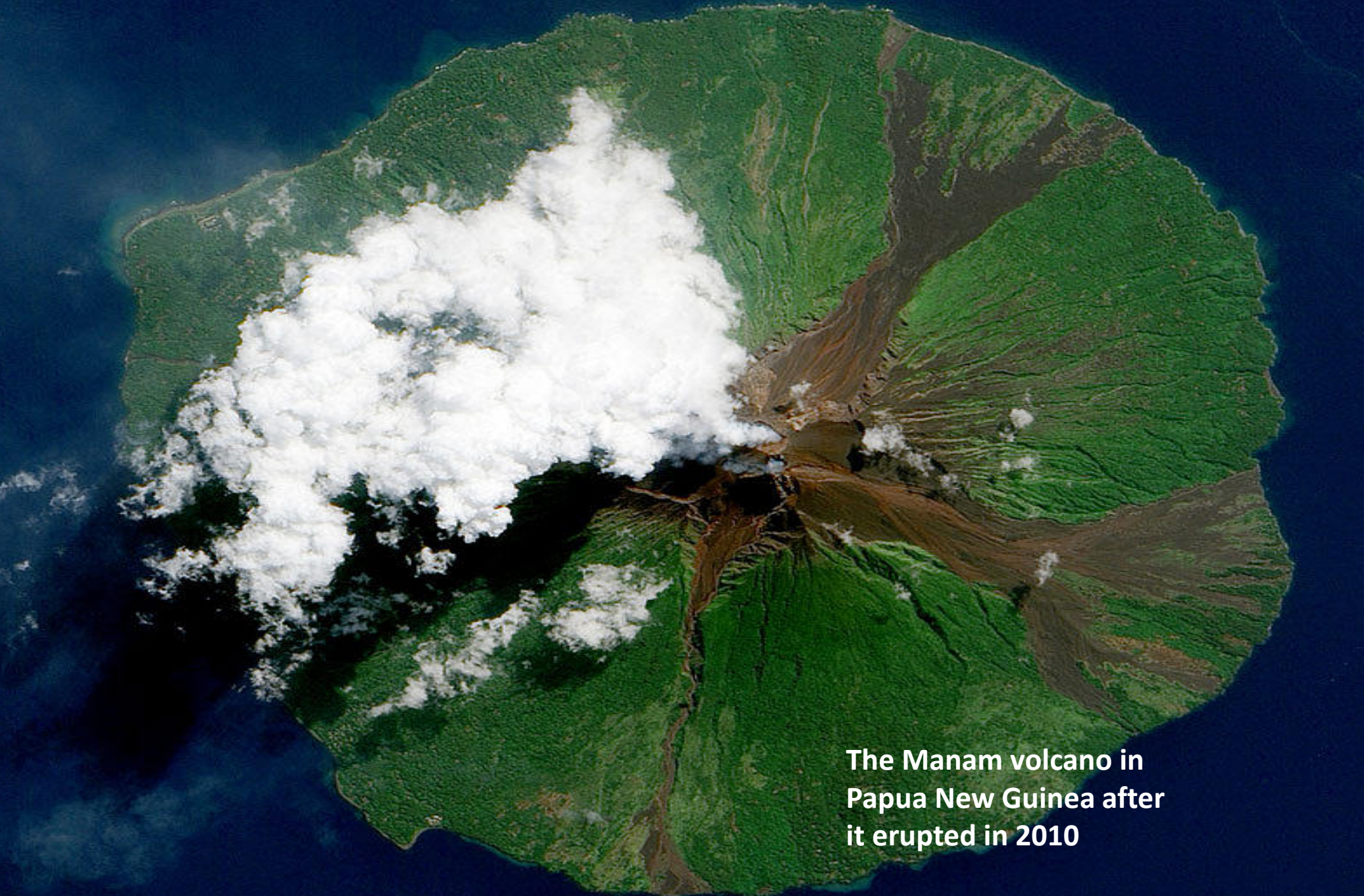




photographer Kawika Sing taking photos on the lava

A high-angle aerial photograph of the Kliuchevskoi Volcano in Russia, captured from the space shuttle Endeavour. The volcano is a long, narrow, and rugged landmass, appearing dark brown and rocky. A massive, dense plume of ash and smoke is being ejected from its summit, forming a wide, billowing cloud that extends diagonally across the frame towards the bottom left. The surrounding ocean is a deep, dark blue. In the upper left corner, the curvature of the Earth is visible, showing a thin layer of white clouds and the blue of the atmosphere against the blackness of space. The overall scene conveys the immense scale and power of the volcanic eruption.

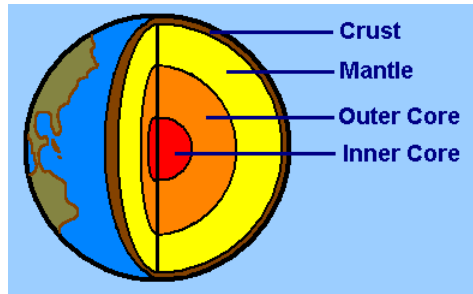
The Kliuchevskoi Volcano in Russia erupting in 1994. The photograph was taken by the space shuttle Endeavour from 115 miles in the air.



**The Manam volcano in
Papua New Guinea after
it erupted in 2010**

Can you make a play dough Earth?

Here is a diagram of the Earth and its layers.



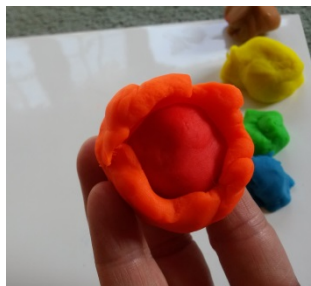
1. You will need small balls of play dough in colours red, orange, yellow, brown (mix a little bit of all the colours together), blue and green.



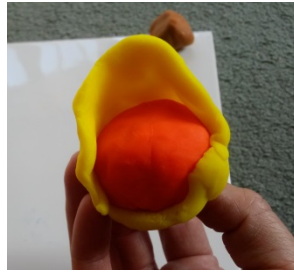
2. Take a small piece of red play dough and roll into a ball. It should be the size of a large marble. This is the Inner Core of your mini Earth.



3. Cover the red ball with a layer of orange play dough. This is the Outer Core.



4. Next, cover the orange layer with yellow play dough. This is the Mantle of your mini Earth.



5. Cover the yellow layer with a thin layer of brown to form the Crust.



6. Finally, cover the Mantle with a very thin layer of blue and green play dough to represent land and sea.



Now you are ready to cut your play dough Earth in half to see the layers you have created!



Can you use your play dough Earth to show tectonic plates?



Cut your Earth in half to see the layers.

Label the layers using cocktail sticks and strips of paper or sticky labels.

