

ID of Unknowns – Honors

The Challenge

After obtaining a plastic block(s) from your teacher, use information from this chapter to complete the physical description in the chart below. The colors that you will choose from are **black, clear, gray, paper white, and milky white**.

This is a class project – your entire class is one group and your group will choose just one person who will email me this page only with your answers. Who will be responsible to do that? That's up to your group.

The catch? On the day you receive your plastic block(s), from that moment on, you may only communicate with each other via the chemistry website. Once you receive your blocks there may be no talking, texting, emailing, signing, note passing, smoke signals, or any other type of communication in any form. The only way you may communicate with each other is via comments on the class web site. Have fun!

NOTE: I'll be tracking your progress on the web site. No answers on this sheet will be accepted without adequate observations (measurements) and calculations on the web site to support them.

ADDITIONAL NOTE: Success of this activity depends on your ability to take accurate measurements, to make valid estimations, and to apply rules for significant figures in calculations, as well as your ability to communicate as a group.

FINAL ANSWER

Block "Name"	Density (g/cm ³)	Color of Block
Alpha	0.541	
Beta	0.967	
Delta	0.910	
Gamma	1.17	
Epsilon	1.42	