**Solutions, Colloids, and Suspensions Worksheet**

1. How can you tell the difference between a solution, a suspension, and a colloid simply by observing it over time?
2. If you were to put a solution, a suspension, and a colloid into a centrifuge (which will rotate it quickly to try and separate any solids from liquids), what do you think will happen to each of them (and why?)
3. If air is a solution, then why do spooky movies show the paths of flashlight beams as they move through dark rooms? Shouldn’t this be impossible if air is a solution?
4. Which have you most recently seen in real life: A suspension, a colloid, or a solution? How did you know which of these it was?