Lab 3C - Random Sampling

**Directions: Record your responses to the lab questions in the spaces provided.**

Write down two reasons why getting *everyone* in Los Angeles to fill out the survey would be difficult. Also, write a sentence why the DWP might consider using a sample of households instead.

Why do you think we call this method a *convenience* sample?

Do you think the distribution of grade for your sample would look similar when compared to the whole cdc data?

Which groups of people do you think are over or under represented in your convenience sample? Why?

Compare the distributions of the cdc data and your convenience sample and write down how they differ.

Write a sentence that explains why you think the distribution of grade for this *random sample* will look more or less similar to the distribution from the whole cdc data.

How do the distributions change as the size of the sample increases? Why do you think this occurs?

Which set of proportions looks most similar to the proportions of the population?

Write down a reason why estimates based on *convenience* samples might not improve even as sample size increases.