

Name: _____

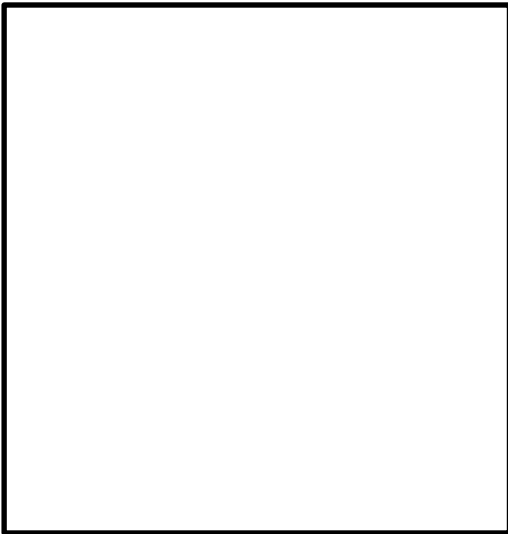
Properties Assessment

Read the following scenario:

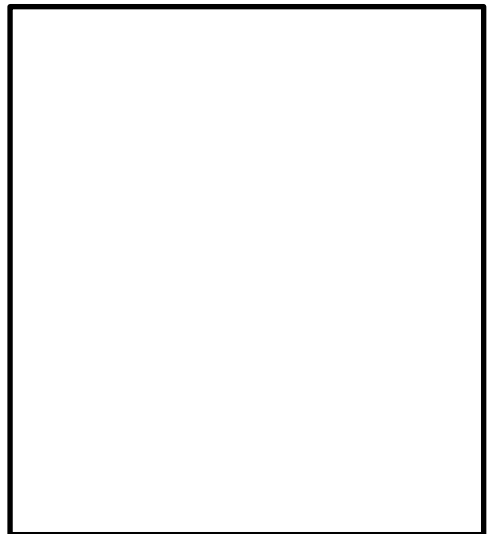
There is a needle in a haystack that you need to find. Thinking about the properties of both the needle and the haystack, what are some things you could do to separate the two?

First, list properties of each of the components in the scenario.

Component 1: _____



Component 2: _____



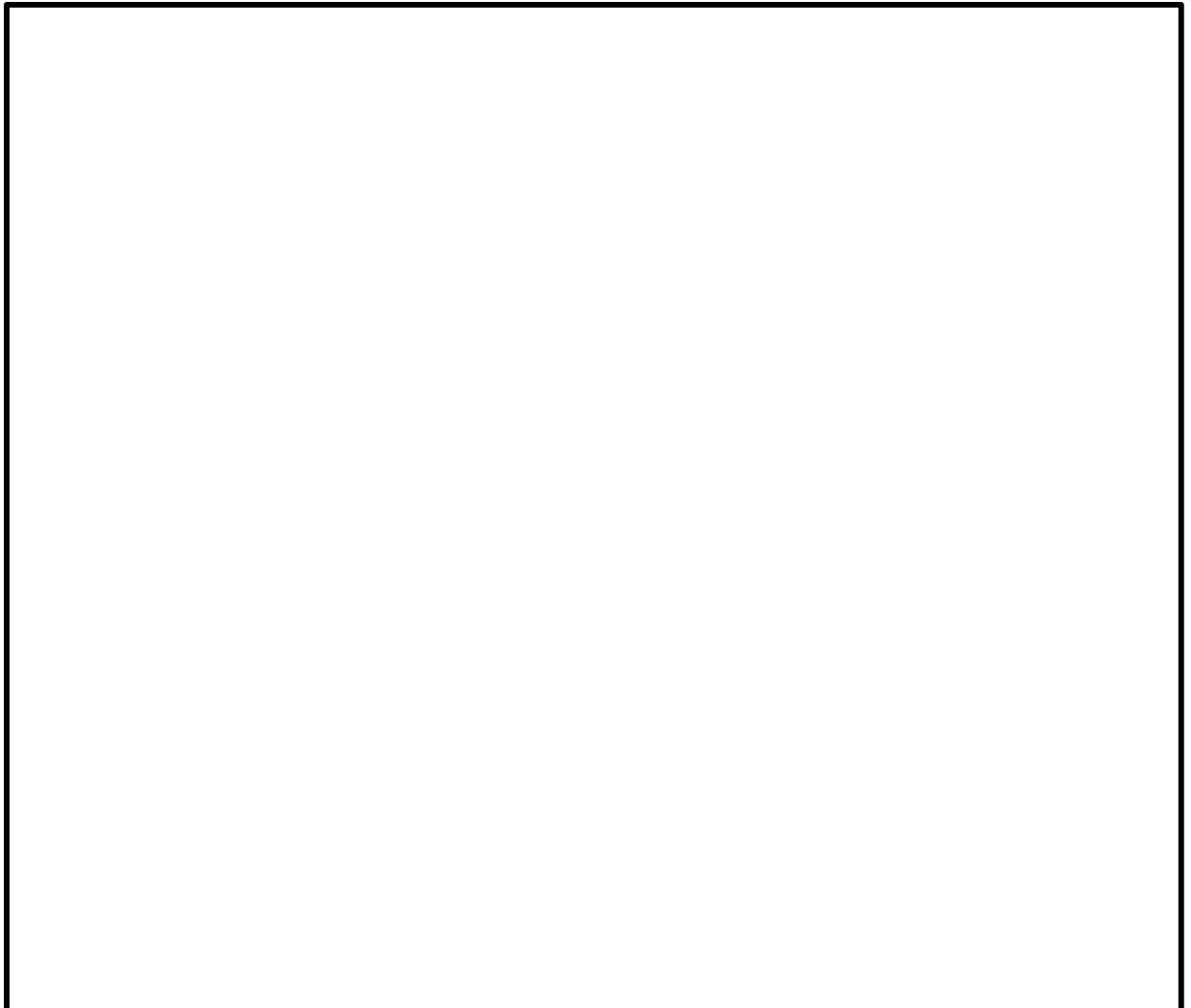
Name: _____

Separating Mixtures

It's now time to devise a plan to separate your mixture. Consider the unique properties of each component and consider the tools available.

Discuss a plan with your groups and write that plan in the space below.

Our Plan:

A large, empty rectangular box with a solid black border, intended for students to write their separation plan. The box occupies the lower half of the page.

Name: _____

Separating Mixtures

Findings:

Once the components are separated, it's time to weigh each one. Use the digital scale to find the mass of each.

Cork: _____

Marble: _____

Sand: _____

Washers: _____

What would the order of the components be if you were to put them in order from smallest mass to largest mass?

_____, _____, _____, _____

If the sand was the contaminant, what is the total mass of the remaining components of the mixture?