Analysis (Levels 1-3 are required)

Level 1: Define Mixture A Mixture is two or More substances that you can separate physically.

1

Level 2: Explain why the substances in the mixture settled in the order in which they did? They Settled the way they did because of their weight. Rocks won't be floating on the top because they are more dense than sand or perlite.

1

Level 3: Using data support why the mixture settled the way it did?

The More dense a Material is, the closer to the bottom it will settle, and the less dense goes to the top. In this case the gravel settled at the bottom because it is More dense than sand or water. Perlite was on top because it is less dense than all the rest of Materials.

1

Level 4 (Optional)

Compare in detail the results of this lab to an outside occurrence.

In the settled form, the lightest layer was on top. Well Mustard and Ketchup, if sits long enough starts to settle with the mustard or ketchup, then the watery liquid on top that you get when you don't shake it before you use it. So the More dense the Material is that Means it will be closer to the bottom. The less dense will be twords the top.

1

Total 4 **4**

Nice examples!

Mustard → less dense watery / dense yellow

Mason jar → less dense / gravel More dense