## Thinking About the Density of a Gas

Think back to what you learned about what causes density in solids. Remember our conversation about relational causality. Do you remember what two things worked in relation to one another to cause the density of a solid? Think about the relational diagram below.

In relational causality, a relationship between two things causes something to happen. (So it is more than just having two things, there needs to be a relationship between them.)



The amount of two things are equal or different and that tells you the outcome. (So one is younger/older, more/less, higher/lower, etc.)

1. Do you think that the same things might be involved in determining the density of gases? How might it be the same and how might it be different?

2. What variables would you need to think about to determine the density of a gas? How would you measure these variables?

3. Use the back of this page to draw a model to show the different things you might consider when determining the density of a gas and write a paragraph to explain your model.