

We will be spending this course studying thermodynamics, which is the branch of physics that deals with the physical properties of matter and the laws that govern the properties of matter. Today we will be discussing what *kinds* of properties matter can have.

I'd like you all to start by pouring yourself a cup of water. I'll give you a moment to go to your kitchens. Then in your small groups I'd like you to brainstorm a list of all the properties that cup of water might have. Please limit yourselves to properties of the *water itself*, omitting any properties of the cup or the room around you.

**Drinking half** If you drink half of your glass of water (feel free to do so), how will each of your properties change for the water that remains in the glass?