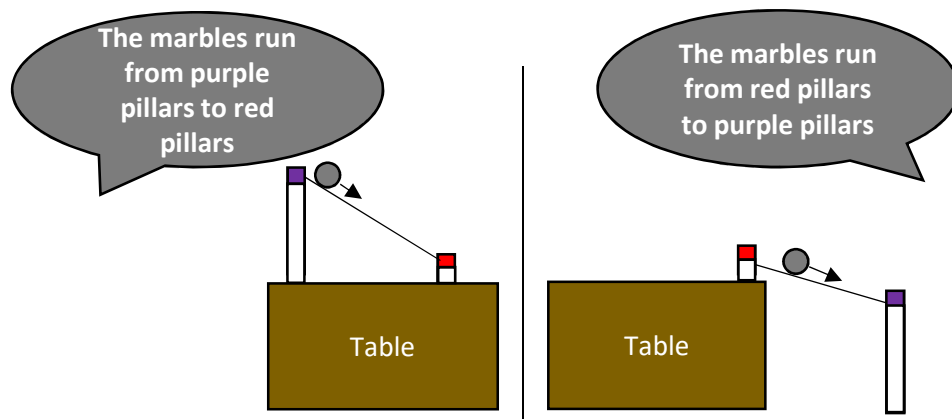
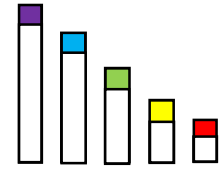


Why is a reference electrode used?

How are some potentials negative? What is zero?

Imagine you are constructing a marble run with these pillars and talking to another scientist in another room.



To predict if a marble will run between two pillars, their heights must be measured from the same point.

We have lots of arbitrary scales we use all the time:

Celsius (freezing and boiling points of water at sea level of 0 °C and 100 °C)

Fahrenheit (the freezing of brine and human body temperatures)

Height above average global sea level.

