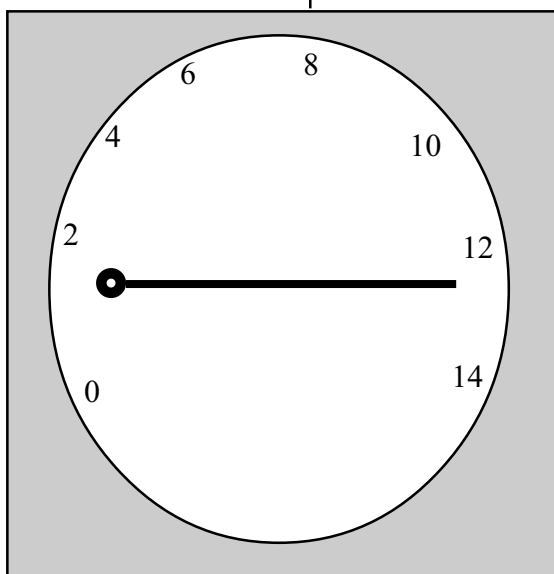
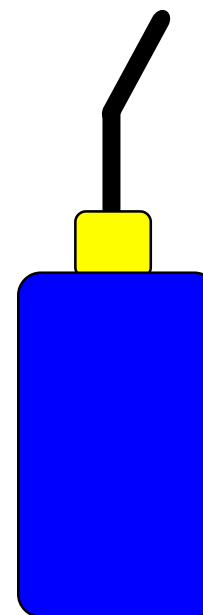
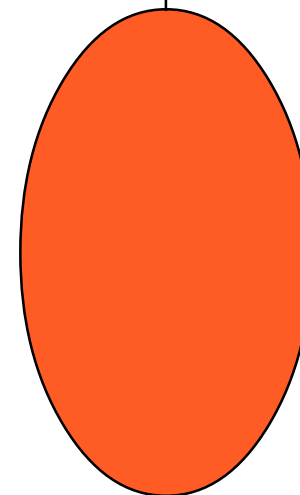


CHARLES' LAW
($PV=nRT$)
4E30.10

PRESSURE GAUGE



METAL BULB



PROPANE TANK

USE PROPANE TO HEAT BULB.

THIS DEMONSTRATION SHOWS THAT IF THE VOLUME OF A GAS IS HELD CONSTANT AND THE TEMPERATURE IS INCREASED THEN THE PRESSURE MUST ALSO INCREASE.

USE THE LARGE ABSOLUTE PRESSURE GAUGE.

ALSO AVAILABLE: A YELLOW AIR TANK WITH A SENSITIVE BOYDON TUBE PRESSURE GAUGE. USE A BUNSEN BURNER AS A HEAT SOURCE TO WARM UP THE AIR TANK.