**HC-1 Checklist for Physics 103, Summer 2014**

On each table, check the presence of

A 60mL calibrated syringe with a pipe at its end to connect to the Pressure sensor

A PASCO Pressure sensor

A plastic beaker for holding water and ice

A canister for holding liquid nitrogen

An electric boiler and can for boiling water

A metal cylinder with air inside it and a pipe attached to connect to the pressure sensor

1 FLUKE digital thermometer and probe.

In the lab room, check the presence of

A jar containing liquid nitrogen

A tub filled with ice

A jar containing water

Check that there is enough ice in the Ice and Nitrogen room

On each table check for functionality,

The syringe is intact and does not have cracks or air outlets other than the pipe at its end.

The syringe is calibrated and the markings are intact and legible

The pipe connected to the metal cylinder and the syringe are not broken or do not have any holes in them

The pipe attached to the metal cylinder and the syringe fit securely onto the pressure sensor.

The electric boiler turns on.

The thermometer turns On and gives the correct reading.

The beaker used for holding the ice does not have large cracks in it

Connect the syringe to the pressure sensor and take one reading in Data Studio to ensure that the pressure sensor is working.

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