Fluids

Station #2

Buoyancy

Task

Using the following website you must determine the following:

1- the order of the liquids from most dense to least dense
2- the order of the solids from most dense to least dense
3- Determine what material (from your trials and prior knowledge) is best suited for the construction of a boat dock at a cabin.

*Note that the solids are marked along the sides to help you.

http://www.seed.slb.com/en/scictr/lab/buoy_exp/buoyancy.html

DATA:

The following is a table that you *can use parts or all of* to help you.
If you don't use it then you will hand in another form of data that you gathered to draw your conclusions.

	Water	Olive oil	Ethanol	Corn syrup	Honey	Bromine	Sea water	mercury
Ice								
Tar								
Butter								
Balsa								
Ebony								
Oak								
Pine								
Marble								
Granite								
Aluminium								
Gold								
Iron								

Liquid Most dense to least dense

Solid Most dense to least dense

Which material you chose for a floating boat dock (Remember more dense usually means it's stronger.):

_____

Why you chose that material. (Make sure you explain why it would be good to use a boat dock.)

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____